# **CPC COOPERATIVE PATENT CLASSIFICATION**

# F MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING (NOTE omitted)

## LIGHTING; HEATING

### F26 DRYING

### F26B DRYING SOLID MATERIALS OR OBJECTS BY REMOVING LIQUID THEREFROM

(racks for drying fruit and vegetables <u>A01F 25/12</u>; drying foodstuffs <u>A23</u>; drying hair <u>A45D 20/00</u>; body-drying implements <u>A47K 10/00</u>; drying household articles <u>A47L</u>, {e.g. drying footwear <u>A47L 23/20</u>; } drying gases and vapours <u>B01D</u>; chemical and physical processes for dewatering or like separating liquids from solids <u>B01D 43/00</u>; centrifugal apparatus <u>B04</u>; drying ceramics <u>C04B 33/30</u>; drying yarns and fabrics in association with some other form of treatment <u>D06C</u>; drying frames for laundry without heating or positive air circulation, domestic and like spin-dryers, wringing and hot pressing laundry <u>D06F</u>; furnaces, kilns, ovens <u>F27</u>; {treatment including a drying step of semiconductor substrates, e.g. wafers, H01L 21/67028})

#### WARNINGS

1. The following IPC groups are not in the CPC scheme. The subject matter for these IPC groups is classified in the following CPC groups:

	er e groups.		
	F26B 11/06	covered by	F26B 11/0486
	F26B 13/02	covered by	<u>F26B 13/10</u>
	F26B 13/04	covered by	<u>F26B 13/10</u>
	F26B 13/20	covered by	F26B 13/104
	F26B 23/08	covered by	F26B 3/343, F26B 3/347
•		1 20 64 6	

2. In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.

#### **Processes for drying**

1/00	Preliminary treatment of solid materials or objects to facilitate drying {, e.g. mixing or backmixing	
	the materials to be dried with predominantly dry solids (F26B 5/005 takes precedence)}	3/0
1/005	• {by means of disintegrating, e.g. crushing, shredding, milling the materials to be dried (F26B 17/102, F26B 17/103 take precedence)}	3/0 3/0
3/00	Drying solid materials or objects by processes	
	<b>involving the application of heat</b> (in specific machines or apparatus <u>F26B 9/00</u> - <u>F26B 19/00</u> )	3/0
3/005	• {by applying a combustible liquid onto the	3/0
	materials, the liquid being burnt off subsequently}	3/0
3/02	• by convection, i.e. heat being conveyed from a	
	heat source to the materials or objects to be dried by a gas or vapour, e.g. air $\{(F26B \ 3/283 \ and \ an$	3/1
	<u>F26B 3/343</u> take precedence)}	3/1
3/04	• the gas or vapour circulating over or surrounding the materials or objects to be dried (F26B 3/14	
	takes precedence)	3/1
3/06	• • the gas or vapour flowing through the materials or	
	objects to be dried ( $F26B 3/14$ takes precedence)	3/1
3/08	<ul> <li>so as to loosen them, e.g. to form a fluidised bed {("fluidised-bed" technique in general <u>B01J 8/24</u>; centrifugal fluidised beds <u>F26B 7/007</u>)}</li> </ul>	3/1

3/082	<ul> <li> { arrangements of devices for distributing fluidising gas, e.g. grids, nozzles</li> <li>(F26B 3/0926 takes precedence; such devices per se B01J 8/44)}</li> </ul>
3/084	• • • • with heat exchange taking place in the fluidised bed {, e.g. combined direct and indirect heat exchange}
3/088	using inert thermally-stabilised particles
3/092	• • • agitating the fluidised bed, e.g. by vibrating or pulsating
3/0923	•••• {by mechanical means, e.g. vibrated plate, stirrer}
3/0926	••••• {by pneumatic means, e.g. spouted beds}
3/097	• • • using a magnetic field to stabilise the fluidised bed
3/10	• • the gas or vapour carrying the materials or objects to be dried with it
3/12	<ul> <li>in the form of a spray {, i.e. sprayed or dispersed emulsions or suspensions (spray drying of solutions <u>B01D 1/18</u>)}</li> </ul>
3/14	• the materials or objects to be dried being moved by gravity
3/16	in a counter-flow of the gas or vapour
3/18	• by conduction, i.e. the heat is conveyed from the heat source, e.g. gas flame, to the materials or objects to be dried by direct contact

3/20	<ul> <li>the heat source being a heated surface {, e.g. a moving belt or conveyor}(F26B 3/22 takes precedence)</li> </ul>
3/205	<ul> <li>the materials to be dried covering or being mixed with heated inert particles which may be recycled}</li> </ul>
3/22	• the heat source and the materials or objects to be dried being in relative motion, e.g. of vibration
3/225	<ul> <li>. {the materials or objects to be dried being immersed in a fluidised bed of heated particles (for webs F26B 13/106)}</li> </ul>
3/24	the movement being rotation
3/26	• • • the movement being performed by gravity
3/28	• by radiation, e.g. from the sun
3/283	• • {in combination with convection}
3/286	• • • {by solar radiation}
3/30	• from infrared-emitting elements {(by radiation emanating from passages containing heated fluids other than combustion gases <u>F26B 23/10</u> )}
3/305	• • {the infrared radiation being generated by combustion or combustion gases}
3/32	• by development of heat within the materials or
	objects to be dried {, e.g. by fermentation or other
a /a /	microbiological action}
3/34	• by using electrical effects
3/343	• • • {in combination with convection}
3/347	• • Electromagnetic heating, e.g. induction heating or heating using microwave energy
3/353	• • Resistance heating {, e.g. using the materials or objects to be dried as an electrical resistance}
3/36	• by using mechanical effects, e.g. by friction (by using ultrasonic vibrations <u>F26B 5/02</u> )
5/00	
	using ultrasonic vibrations <u>F26B 5/02</u> )
	using ultrasonic vibrations F26B 5/02) Drying solid materials or objects by processes not involving the application of heat (separating liquids from solids by straining B01D; replacing liquids
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charging/discharging}

5/044	• { for drying materials in a batch operation in an enclosure having a plurality of shelves which may be heated (F26B 5/045 takes precedence) }
5/045	<ul> <li>. {for drying thin, flat articles in a batch operation, e.g. leather, rugs, gels}</li> </ul>
5/047	• { for continuous drying of material in long length, e.g. webs}
5/048	• • {in combination with heat developed by electro- magnetic means, e.g. microwave energy}
5/06	• • the process involving freezing
5/065	<ul> <li>• { the product to be freeze-dried being sprayed, dispersed or pulverised }</li> </ul>
5/08	• by centrifugal treatment
5/10	• the process involving freezing
5/12	<ul><li>by suction</li></ul>
5/14	<ul> <li>by successful</li> <li>by applying pressure, e.g. wringing; by brushing; by wiping</li> </ul>
5/16	<ul> <li>by contact with sorbent bodies, e.g. absorbent mould; by admixture with sorbent materials</li> </ul>
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7/00	Drying solid materials or objects by processes
	using a combination of processes not covered by
	a single one of groups <u>F26B 3/00</u> and <u>F26B 5/00</u>
	{( <u>F26B 1/005, F26B 5/04, F26B 23/026</u> take
	precedence)}
7/002	• {using an electric field and heat}
7/005	• {using admixture with sorbent materials and heat,
	e.g. generated by the mixture}
7/007	• {centrifugal fluidised beds}
Machines or	apparatus for drying
0/00	
9/00	Machines or annaratiis for drying solid materials
9/00	Machines or apparatus for drying solid materials or objects at rest or with only local agitation:
9/00	or objects at rest or with only local agitation;
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9/00	or objects at rest or with only local agitation; Domestic airing cupboards {(domestic laundry drying cabinets or chambers having heating or
	or objects at rest or with only local agitation; Domestic airing cupboards {(domestic laundry drying cabinets or chambers having heating or ventilating means D06F 58/10)}
9/003	<ul> <li>or objects at rest or with only local agitation;</li> <li>Domestic airing cupboards {(domestic laundry drying cabinets or chambers having heating or ventilating means D06F 58/10)}</li> <li>{Small self-contained devices, e.g. portable}</li> </ul>
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9/003 9/006 9/02 9/04 9/06	<ul> <li>or objects at rest or with only local agitation;</li> <li>Domestic airing cupboards {(domestic laundry drying cabinets or chambers having heating or ventilating means D06F 58/10)}</li> <li>{Small self-contained devices, e.g. portable}</li> <li>{Removable covering devices, e.g. pliable or flexible}</li> <li>in buildings (special types of buildings E04H)</li> <li>in presses or clamping devices</li> <li>in stationary drums or chambers</li> <li>{for drying granular material in bulk, e.g. grain bins or silos with false floor (shallow layer</li> </ul>
9/003 9/006 9/02 9/04 9/06	<ul> <li>or objects at rest or with only local agitation;</li> <li>Domestic airing cupboards {(domestic laundry drying cabinets or chambers having heating or ventilating means D06F 58/10)}</li> <li>{Small self-contained devices, e.g. portable}</li> <li>{Removable covering devices, e.g. pliable or flexible}</li> <li>in buildings (special types of buildings E04H)</li> <li>in presses or clamping devices</li> <li>in stationary drums or chambers</li> <li>{for drying granular material in bulk, e.g. grain bins or silos with false floor (shallow layer rotary sweep drying bins F26B 9/10; perforated wall silos with drying air channels in the stack</li> </ul>
9/003 9/006 9/02 9/04 9/06 9/063	<ul> <li>or objects at rest or with only local agitation;</li> <li>Domestic airing cupboards {(domestic laundry drying cabinets or chambers having heating or ventilating means D06F 58/10)}</li> <li>{Small self-contained devices, e.g. portable}</li> <li>{Removable covering devices, e.g. pliable or flexible}</li> <li>in buildings (special types of buildings E04H)</li> <li>in presses or clamping devices</li> <li>in stationary drums or chambers</li> <li>{for drying granular material in bulk, e.g. grain bins or silos with false floor (shallow layer rotary sweep drying bins F26B 9/10; perforated wall silos with drying air channels in the stack F26B 9/103)}</li> </ul>
9/003 9/006 9/02 9/04 9/06 9/063	<ul> <li>or objects at rest or with only local agitation;</li> <li>Domestic airing cupboards {(domestic laundry drying cabinets or chambers having heating or ventilating means D06F 58/10)}</li> <li>{Small self-contained devices, e.g. portable}</li> <li>{Removable covering devices, e.g. pliable or flexible}</li> <li>in buildings (special types of buildings E04H)</li> <li>in presses or clamping devices</li> <li>in stationary drums or chambers</li> <li>{for drying granular material in bulk, e.g. grain bins or silos with false floor (shallow layer rotary sweep drying bins F26B 9/10; perforated wall silos with drying air channels in the stack F26B 9/103)}</li> <li>{ the products to be dried being disposed on one</li> </ul>
9/003 9/006 9/02 9/04 9/06 9/063	<ul> <li>or objects at rest or with only local agitation;</li> <li>Domestic airing cupboards {(domestic laundry drying cabinets or chambers having heating or ventilating means D06F 58/10)}</li> <li>{Small self-contained devices, e.g. portable}</li> <li>{Removable covering devices, e.g. pliable or flexible}</li> <li>in buildings (special types of buildings E04H)</li> <li>in presses or clamping devices</li> <li>in stationary drums or chambers</li> <li>{for drying granular material in bulk, e.g. grain bins or silos with false floor (shallow layer rotary sweep drying bins F26B 9/10; perforated wall silos with drying air channels in the stack F26B 9/103)}</li> <li>{ the products to be dried being disposed on one or more containers, which may have at least</li> </ul>
9/003 9/006 9/02 9/04 9/06 9/063	<ul> <li>or objects at rest or with only local agitation;</li> <li>Domestic airing cupboards {(domestic laundry drying cabinets or chambers having heating or ventilating means D06F 58/10)}</li> <li>{Small self-contained devices, e.g. portable}</li> <li>{Removable covering devices, e.g. pliable or flexible}</li> <li>in buildings (special types of buildings E04H)</li> <li>in presses or clamping devices</li> <li>in stationary drums or chambers</li> <li>{for drying granular material in bulk, e.g. grain bins or silos with false floor (shallow layer rotary sweep drying bins F26B 9/10; perforated wall silos with drying air channels in the stack F26B 9/103)}</li> <li>{ the products to be dried being disposed on one or more containers, which may have at least partly gas-previous walls, e.g. trays or shelves</li> </ul>
9/003 9/006 9/02 9/04 9/06 9/063	<ul> <li>or objects at rest or with only local agitation;</li> <li>Domestic airing cupboards {(domestic laundry drying cabinets or chambers having heating or ventilating means D06F 58/10)}</li> <li>{Small self-contained devices, e.g. portable}</li> <li>{Removable covering devices, e.g. pliable or flexible}</li> <li>in buildings (special types of buildings E04H)</li> <li>in presses or clamping devices</li> <li>in stationary drums or chambers</li> <li>{for drying granular material in bulk, e.g. grain bins or silos with false floor (shallow layer rotary sweep drying bins F26B 9/10; perforated wall silos with drying air channels in the stack F26B 9/103)}</li> <li>{ the products to be dried being disposed on one or more containers, which may have at least partly gas-previous walls, e.g. trays or shelves in a stack (F26B 9/003) takes precedence; in</li> </ul>
9/003 9/006 9/02 9/04 9/06 9/063	<ul> <li>or objects at rest or with only local agitation;</li> <li>Domestic airing cupboards {(domestic laundry drying cabinets or chambers having heating or ventilating means D06F 58/10)}</li> <li>{Small self-contained devices, e.g. portable}</li> <li>{Removable covering devices, e.g. pliable or flexible}</li> <li>in buildings (special types of buildings E04H)</li> <li>in presses or clamping devices</li> <li>in stationary drums or chambers</li> <li>{for drying granular material in bulk, e.g. grain bins or silos with false floor (shallow layer rotary sweep drying bins F26B 9/10; perforated wall silos with drying air channels in the stack F26B 9/103)}</li> <li>{ the products to be dried being disposed on one or more containers, which may have at least partly gas-previous walls, e.g. trays or shelves in a stack (F26B 9/003 takes precedence; in combination with duct systems F26B 21/00)}</li> <li>including agitating devices {, e.g. pneumatic recirculation arrangements (unloading devices</li> </ul>
9/003 9/006 9/02 9/04 9/06 9/063 9/066 9/066	<ul> <li>or objects at rest or with only local agitation;</li> <li>Domestic airing cupboards {(domestic laundry drying cabinets or chambers having heating or ventilating means D06F 58/10)}</li> <li>{Small self-contained devices, e.g. portable}</li> <li>{Removable covering devices, e.g. pliable or flexible}</li> <li>in buildings (special types of buildings E04H)</li> <li>in presses or clamping devices</li> <li>in stationary drums or chambers</li> <li>{for drying granular material in bulk, e.g. grain bins or silos with false floor (shallow layer rotary sweep drying bins F26B 9/10; perforated wall silos with drying air channels in the stack F26B 9/103)}</li> <li>{ the products to be dried being disposed on one or more containers, which may have at least partly gas-previous walls, e.g. trays or shelves in a stack (F26B 9/003 takes precedence; in combination with duct systems F26B 21/00)}</li> <li>including agitating devices {, e.g. pneumatic recirculation arrangements (unloading devices F26B 25/002; spouted beds F26B 3/0926)}</li> </ul>
9/003 9/006 9/02 9/04 9/06 9/063	<ul> <li>or objects at rest or with only local agitation;</li> <li>Domestic airing cupboards {(domestic laundry drying cabinets or chambers having heating or ventilating means D06F 58/10)}</li> <li>{Small self-contained devices, e.g. portable}</li> <li>{Removable covering devices, e.g. pliable or flexible}</li> <li>in buildings (special types of buildings E04H)</li> <li>in presses or clamping devices</li> <li>in stationary drums or chambers</li> <li>{for drying granular material in bulk, e.g. grain bins or silos with false floor (shallow layer rotary sweep drying bins F26B 9/10; perforated wall silos with drying air channels in the stack F26B 9/103)}</li> <li>{ the products to be dried being disposed on one or more containers, which may have at least partly gas-previous walls, e.g. trays or shelves in a stack (F26B 9/003 takes precedence; in combination with duct systems F26B 21/00)}</li> <li>including agitating devices {, e.g. pneumatic recirculation arrangements (unloading devices</li> </ul>
9/003 9/006 9/02 9/04 9/06 9/063 9/066 9/066	<ul> <li>or objects at rest or with only local agitation;</li> <li>Domestic airing cupboards {(domestic laundry drying cabinets or chambers having heating or ventilating means D06F 58/10)}</li> <li>{Small self-contained devices, e.g. portable}</li> <li>{Removable covering devices, e.g. pliable or flexible}</li> <li>in buildings (special types of buildings E04H)</li> <li>in presses or clamping devices</li> <li>in stationary drums or chambers</li> <li>{for drying granular material in bulk, e.g. grain bins or silos with false floor (shallow layer rotary sweep drying bins F26B 9/10; perforated wall silos with drying air channels in the stack F26B 9/103)}</li> <li>{ the products to be dried being disposed on one or more containers, which may have at least partly gas-previous walls, e.g. trays or shelves in a stack (F26B 9/003 takes precedence; in combination with duct systems F26B 21/00)}</li> <li>including agitating devices {, e.g. pneumatic recirculation arrangements (unloading devices F26B 25/002; spouted beds F26B 3/0926)}</li> <li>{mechanically agitating or recirculating the</li> </ul>
9/003 9/006 9/02 9/04 9/06 9/063 9/066 9/066 9/082	<ul> <li>or objects at rest or with only local agitation;</li> <li>Domestic airing cupboards {(domestic laundry drying cabinets or chambers having heating or ventilating means D06F 58/10)}</li> <li>{Small self-contained devices, e.g. portable}</li> <li>{Removable covering devices, e.g. pliable or flexible}</li> <li>in buildings (special types of buildings E04H)</li> <li>in presses or clamping devices</li> <li>in stationary drums or chambers</li> <li>{for drying granular material in bulk, e.g. grain bins or silos with false floor (shallow layer rotary sweep drying bins F26B 9/10; perforated wall silos with drying air channels in the stack F26B 9/103)}</li> <li>{ the products to be dried being disposed on one or more containers, which may have at least partly gas-previous walls, e.g. trays or shelves in a stack (F26B 9/003 takes precedence; in combination with duct systems F26B 21/00)}</li> <li>including agitating devices {, e.g. pneumatic recirculation arrangements (unloading devices F26B 25/002; spouted beds F26B 3/0926)}</li> <li>{mechanically agitating or recirculating the material being dried}</li> </ul>
9/003 9/006 9/02 9/04 9/06 9/063 9/066 9/066 9/082	<ul> <li>or objects at rest or with only local agitation;</li> <li>Domestic airing cupboards {(domestic laundry drying cabinets or chambers having heating or ventilating means D06F 58/10)}</li> <li>{Small self-contained devices, e.g. portable}</li> <li>{Removable covering devices, e.g. pliable or flexible}</li> <li>in buildings (special types of buildings E04H)</li> <li>in presses or clamping devices</li> <li>in stationary drums or chambers</li> <li>{for drying granular material in bulk, e.g. grain bins or silos with false floor (shallow layer rotary sweep drying bins F26B 9/10; perforated wall silos with drying air channels in the stack F26B 9/103)}</li> <li>{ the products to be dried being disposed on one or more containers, which may have at least partly gas-previous walls, e.g. trays or shelves in a stack (F26B 9/003 takes precedence; in combination with duct systems F26B 21/00)}</li> <li>including agitating devices {, e.g. pneumatic recirculation arrangements (unloading devices F26B 25/002; spouted beds F26B 3/0926)}</li> <li>{mechanically agitating or recirculating the material being dried}</li> <li>* {moving the material in a substantially</li> </ul>
9/003 9/006 9/02 9/04 9/06 9/063 9/066 9/066 9/082	<ul> <li>or objects at rest or with only local agitation; Domestic airing cupboards {(domestic laundry drying cabinets or chambers having heating or ventilating means D06F 58/10)}</li> <li>{Small self-contained devices, e.g. portable}</li> <li>{Removable covering devices, e.g. pliable or flexible}</li> <li>in buildings (special types of buildings E04H)</li> <li>in presses or clamping devices</li> <li>in stationary drums or chambers</li> <li>{for drying granular material in bulk, e.g. grain bins or silos with false floor (shallow layer rotary sweep drying bins F26B 9/10; perforated wall silos with drying air channels in the stack F26B 9/103)}</li> <li>{the products to be dried being disposed on one or more containers, which may have at least partly gas-previous walls, e.g. trays or shelves in a stack (F26B 9/003 takes precedence; in combination with duct systems F26B 21/00)}</li> <li>including agitating devices {, e.g. pneumatic recirculation arrangements (unloading devices F26B 25/002; spouted beds F26B 3/0926)}</li> <li>{mechanically agitating or recirculating the material being dried}</li> <li></li></ul>
9/003 9/006 9/02 9/04 9/06 9/063 9/066 9/066 9/082	<ul> <li>or objects at rest or with only local agitation; Domestic airing cupboards {(domestic laundry drying cabinets or chambers having heating or ventilating means D06F 58/10)}</li> <li>{Small self-contained devices, e.g. portable}</li> <li>{Removable covering devices, e.g. pliable or flexible}</li> <li>in buildings (special types of buildings E04H)</li> <li>in presses or clamping devices</li> <li>in stationary drums or chambers</li> <li>{for drying granular material in bulk, e.g. grain bins or silos with false floor (shallow layer rotary sweep drying bins F26B 9/10; perforated wall silos with drying air channels in the stack F26B 9/103)}</li> <li>{ the products to be dried being disposed on one or more containers, which may have at least partly gas-previous walls, e.g. trays or shelves in a stack (F26B 9/003 takes precedence; in combination with duct systems F26B 21/00)}</li> <li>including agitating devices {, e.g. pneumatic recirculation arrangements (unloading devices F26B 25/002; spouted beds F26B 3/0926)}</li> <li>{ mechanically agitating or recirculating the material being dried}</li> <li>. { moving the material in a substantially vertical sense using conveyors or agitators, e.g. screws or augers with vertical axis, which are positioned inside the drying enclosure}</li> </ul>
9/003 9/006 9/02 9/04 9/06 9/063 9/066 9/066 9/082	<ul> <li>or objects at rest or with only local agitation; Domestic airing cupboards {(domestic laundry drying cabinets or chambers having heating or ventilating means D06F 58/10)}</li> <li>{Small self-contained devices, e.g. portable}</li> <li>{Removable covering devices, e.g. pliable or flexible}</li> <li>in buildings (special types of buildings E04H)</li> <li>in presses or clamping devices</li> <li>in stationary drums or chambers</li> <li>{for drying granular material in bulk, e.g. grain bins or silos with false floor (shallow layer rotary sweep drying bins F26B 9/10; perforated wall silos with drying air channels in the stack F26B 9/103)}</li> <li>{the products to be dried being disposed on one or more containers, which may have at least partly gas-previous walls, e.g. trays or shelves in a stack (F26B 9/003 takes precedence; in combination with duct systems F26B 21/00)}</li> <li>including agitating devices {, e.g. pneumatic recirculation arrangements (unloading devices F26B 25/002; spouted beds F26B 3/0926)}</li> <li>{mechanically agitating or recirculating the material being dried}</li> <li></li></ul>

9/10	• in the open air; in pans or tables in rooms; Drying stacks of loose material {on floors which may be covered, e.g. by a roof (ventilating means of stacks for acrigultural produce A01E 25(09)]
9/103	<ul> <li>for agricultural produce A01F 25/08)}</li> <li>• {using fixed or removable drying air channels placed in the stack, e.g. horizontally or vertically}</li> </ul>
9/106	<ul> <li>. {the channels to be inserted into the stack, e.g. after its formation}</li> </ul>
11/00	Machines or apparatus for drying solid materials or objects with movement which is non-progressive
11/02	• in moving drums or other mainly-closed receptacles (F26B 11/18 takes precedence)
11/022	• {Arrangements of drives, bearings, supports}
11/024	• {Arrangements for gas-sealing the drum}
11/026	• • {Arrangements for charging or discharging
11/028	<ul> <li>the materials to be dried, e.g. discharging by reversing drum rotation, using spiral-type inserts }</li> <li>Arrangements for the supply or exhaust of</li> </ul>
	gaseous drying medium for direct heat transfer, e.g. perforated tubes, annular passages, burner arrangements, dust separation, combined direct
11/04	and indirect heating}
11/04	• rotating about a horizontal or slightly-inclined axis {(F26B 11/022, F26B 11/024, F26B 11/026,
	$\frac{F26B 11/028}{F26B 11/028}$ take precedence)
11/0404	• • {with internal subdivision of the drum, e.g.
	for subdividing or recycling the material
	to be dried (spiral-type or other inserts for
	discharging purposes F26B 11/026)}
11/0409	• • • • {the subdivision consisting of a plurality
	of substantially radially oriented internal
	walls, e.g. forming multiple sector-shaped chambers}
11/0413	• • • • {the subdivision consisting of concentric
	walls, e.g. multi-pass or recirculation
	systems; the subdivision consisting of
	spiral-shaped walls (tubular or annular
	passages for supply or exhaust of drying gas F26B 11/028)}
11/0418	• • • • {the subdivision consisting of a plurality
	of parallel tubes, e.g. through which the material to be dried is conveyed in single
	or multi-pass fashion (sector-shaped tubes
	F26B 11/0409)}
11/0422	••••• {the tubes having internal members}
11/0427	{Constructional details, e.g. arrangements
	of drives, supports, bearings, gas-sealing,
	heating medium supply or exhaust}
11/0431	• • • • {Arrangements for feeding or discharging materials to be dried}
11/0436	• • • {comprising multiple stages, e.g. multiple
	rotating drums subsequently receiving the
	material to be dried; Provisions for heat
	recuperation}
11/044	• • • {the drum or receptacle having a variable
	outer or inner diameter in axial direction, e.g. trunconical; the drum or receptacle
	having a polygonal or non-cylindrical
	shape ( <u>F26B 11/0436</u> , <u>F26B 11/049</u> take
	precedence)}
11/0445	• • • {having conductive heating arrangements, e.g.
	heated drum wall}

11/045	•••• {using heated internal elements, e.g. which move through or convey the materials
	to be dried (loose bodies, e.g. balls F26B 11/0472)}
11/0454	• • • • • {the elements being discs}
11/0459	• • • • {the elements being chains}
11/0463	• • • {having internal elements, e.g. which are
	being moved or rotated by means other than the rotating drum wall (F26B 11/0404, F26B 11/0445 take precedence)}
11/0468	• • • • {for disintegrating, crushing, or for being mixed with the materials to be dried}
11/0472	•••• {the elements being loose bodies or
	materials, e.g. balls, which may have a sorbent effect (chains fixed to the drum F26B 11/0459)}
11/0477	• • • • {for mixing, stirring or conveying the materials to be dried, e.g. mounted to the
	wall, rotating with the drum}
11/0481	{the elements having a screw- or auger- like shape, or form screw- or auger-like channels}
11/0486	•••• {the elements being held stationary, e.g. internal scraper blades}
11/049	• • • {with provisions for working under increased
	or reduced pressure, with or without heating}
11/0495	• • • {with provisions for drying by electro-magnetic means, e.g. radiation, microwaves (burner arrangements F26B 11/028)}
11/08	• • rotating about a vertical or steeply-inclined axis
11/10	• • • with stirring devices which are held stationary
11/12	• in stationary drums or other mainly-closed
	receptacles with moving stirring devices
	(F26B 11/22 takes precedence)
11/14	• the stirring device moving in a horizontal or slightly-inclined plane
11/16	• the stirring device moving in a vertical or steeply- inclined plane
11/18	• on or in moving dishes, trays, pans, or other mainly- open receptacles
11/181	• • {the receptacle being a foraminous, perforated
	or open-structured drum or drum-like container,
	e.g. rotating around a substantially horizontal
	or vertical axis; the receptacle being multiple perforated drums, e.g. in superimposed
	arrangement}
11/182	• • {Arrangements for the supply or exhaust of
11,102	gaseous drying medium, e.g. perforated tubes (F26B 11/185 takes precedence)}
11/184	• • {provided with internal means for mixing, stirring or conveying the materials to be dried (F26B 11/182, F26B 11/185 take precedence)}
11/185	• • • {the drum provided with internal subdivisions or multiple walls}
11/187	{the subdivisions consisting of sector-shaped perforated chambers}
11/188	{the subdivisions consisting of concentric perforated walls, or spiral-shaped walls}
11/20	• • with stirring devices which are held stationary
11/22	• on or in stationary dishes, trays, pans, or other
	mainly-open receptacles, with moving stirring devices

13/00	Machines and apparatus for drying fabrics, fibres,
	yarns, or other materials in long lengths, with
	progressive movement
13/001	• {Drying and oxidising yarns, ribbons or the like}
13/002	• {Drying coated, e.g. enamelled, varnished, wires}
13/003	• { in the shape of spools, coils, bobbins or the like
	(F26B 21/007 takes precedence; drying yarn
	hanks $F26B 15/124$ )
13/004	• {Drying ribbons}
13/005	• {Seals, locks, e.g. gas barriers for web drying
12/000	enclosures}
13/006	• {with movement in a spiral path}
13/007	• {Treating a particular portion of the web or plate,
	e.g. the edge}
13/008	• {Controlling the moisture profile across the width of
	the material}
13/06	• with movement in a sinuous or zig-zag path
13/08	• • using rollers
13/10	• Arrangements for feeding, heating or supporting
	materials; Controlling movement, tension or
	position of materials (heating processes F26B 3/00)
13/101	• {Supporting materials without tension, e.g. on or
15/101	between foraminous belts}
13/102	· · · · · · · · · · · · · · · · · · ·
13/102	• • {the materials, e.g. web, being supported in loops by rods or poles, which may be moving
	transversely, e.g. festoon dryers}
12/102	
13/103	• • • {with mechanical supporting means, e.g. belts,
	rollers, and fluid impingement arrangement
	having a displacing effect on the materials}
13/104	• • • {supported by fluid jets only; Fluid blowing
	arrangements for flotation dryers, e.g. coanda
	nozzles}
13/105	• • {Drying webs by contact with heated surfaces
	other than rollers or drums}
13/106	• • • {by moving them through a fluidised bed of
	heated particles}
13/107	• • {Arrangements for guiding the feed end or
	trailing end of the materials, e.g. threading of
	webs}
13/108	• • {using one or more blowing devices, e.g. nozzle
	bar, the effective area of which is adjustable to
	the width of the material }
13/12	• • Controlling movement, tension or position of
10/12	material
13/14	• Rollers, {drums, cylinders}(sorbent surfaces
13/14	F26B 13/26); {Arrangement of drives, supports,
	bearings, cleaning}
13/145	• • {on the non-perforated outside surface of which
13/143	the material is being dried by convection or
12/16	radiation}
13/16	• • • perforated {in combination with hot air
	blowing or suction devices, e.g. sieve drum
	dryers}(F26B 13/18 takes precedence)
13/18	• • • heated {or} cooled, {e.g. from inside, the
	material being dried on the outside surface by
	conduction}
13/183	• • • {Arrangements for heating, cooling,
	condensate removal}
13/186	•••• {using combustion}
13/22	Arrangements of gas flames
13/24	• Arrangements of devices using drying processes not
	involving heating (such processes per se F26B 5/00)
13/26	• using sorbent surfaces, e.g. bands or coverings on
	rollers
	*

13/28	• • for applying pressure; for brushing; for wiping
13/30	<ul> <li>for applying suction {(F26B 13/16 takes precedence)}</li> </ul>
15/00	Machines or apparatus for drying objects with progressive movement; Machines or apparatus with progressive movement for drying batches of material in compact form (F26B 13/00, F26B 17/00 take precedence; conveyors in general B65G)
2015/003	<ul> <li>{the load carrying elements having provisions for defining drying gas ducts, e.g. panels}</li> </ul>
2015/006	• {the drying tunnel not being partitioned by load carrying elements}
15/02	• with movement in the whole or part of a circle
15/04	• • in a horizontal plane
15/06	involving several planes, one above the other
15/08	• • in a vertical plane
15/085	• • • {with endless clamp or tray conveyor, e.g. wicket conveyor}
15/10	• with movement in a path composed of one or more straight lines, e.g. compound {, the movement being in alternate horizontal and vertical directions}
15/105	• • {the articles, e.g. can lids, discs, being conveyed by means of rotating screw spindles}
15/12	• • the lines being all horizontal or slightly inclined
15/122	<ul> <li>{the objects or batches of material being carried by transversely moving rollers or rods which may rotate}</li> </ul>
15/124	• • • { the objects being yarn hanks }
15/126	•••• { the material being "pasta" products, e.g. spaghetti }
15/128	<ul> <li> { the rods being attached at one end to an endless conveying means, the other end being free to receive hollow articles, e.g. cans}</li> </ul>
15/14	<ul> <li>the objects or batches of materials being carried by trays or racks {or receptacles, which may be connected to endless chains or belts (trays, racks per se F26B 25/18; with vertical movement F26B 15/22)}</li> </ul>
15/143	• • • { the receptacles being wholly or partly
	foraminous, e.g. containing a batch of loose material (F26B 15/146, F26B 15/205, F26B 15/26 take precedence)}
15/146	• • • {applying multiple superimposed tray
	conveyors, the materials to be dried being dropped onto subsequent conveyor stretches, e.g. by allowing the trays to tilt at one point }
15/16	• • • the objects or batches of materials being carried by wheeled trucks
15/18	• • • the objects or batches of materials being carried by endless belts
15/20	• • the lines being all vertical or steeply inclined
15/205	• • { the objects or batches of materials being carried by a vertical stack of foraminous trays or shelves either moving through a shaft or forming, with their edges, a moving shaft, the shaft being supplied with drying air}
15/22	<ul> <li>the objects or batches of materials being carried by endless belts {the objects or batches of material being carried by trays or holders supported by endless belts or chains (F26B 15/205 takes precedence; vertical bulk material conveyor-driers F26B 17/06)}</li> </ul>
15/24	•••• in a zig-zag path

15/24 . . . in a zig-zag path

15/26	• with movement in a helical path
17/00	Machines or apparatus for drying materials in loose, plastic, or fluidised form, e.g. granules,
	staple fibres, with progressive movement
	( <u>F26B 13/00</u> takes precedence {; feed or discharge arrangements <u>F26B 25/002</u> })
17/001	• {the material moving down superimposed floors
17/001	(superimposed belts <u>F26B 17/08</u> )
17/002	<ul> <li>{with floors which may rotate and turn over as a whole or in part, e.g. around a horizontal axis (superimposed tray conveyors F26B 15/146)}</li> </ul>
17/003	<ul> <li>{ with fixed floors provided with scrapers</li> <li>(F26B 17/006 and F26B 17/007 take precedence)}</li> </ul>
17/005	<ul> <li>{with rotating floors, e.g. around a vertical axis, which may have scrapers (F26B 17/002, F26B 17/006, F26B 17/007 take precedence)}</li> </ul>
17/006	<ul> <li>{the movement being imparted by oscillation or vibration}</li> </ul>
17/007	• • {having a sieve, e.g. classifying arrangement}
17/008	• {the material being a slurry or paste applied onto moving elements, e.g. chains, plates, for drying thereon, and subsequently removed therefrom (the element being an endless web or belt-like conveyor <u>F26B 17/023</u> ; the element being a disc <u>F26B 17/282</u> ; the element being loose inert particles <u>F26B 3/205</u> )}
17/02	<ul> <li>with movement performed by belts carrying the materials; with movement performed by belts {or elements attached to endless belts or chains} propelling the materials over stationary surfaces {(the movement being in a helical path F26B 15/26; F26B 17/003, F26B 17/263 take precedence)}</li> </ul>
17/023	<ul> <li>{the material being a slurry or paste, which adheres to a moving belt-like endless conveyor for drying thereon, from which it may be removed in dried state, e.g. by scrapers, brushes or vibration}</li> </ul>
17/026	• • {the material being moved in-between belts which may be perforated}
17/04	• the belts being all horizontal or slightly inclined (F26B 17/08 takes precedence)
17/045	<ul> <li>{the material on the belt being agitated, dispersed or turned over by mechanical means, e.g. by vibrating the belt, by fixed, rotating or oscillating elements}</li> </ul>
17/06	<ul> <li>the belts being all vertical or steeply inclined (F26B 17/08 takes precedence {; for materials in discrete batches F26B 15/22})</li> </ul>
17/08	• the belts being arranged in a sinuous or zig- zag path {(F26B 17/026 takes precedence;
17/10	<ul> <li>superimposed tray conveyors <u>F26B 15/146</u>)</li> <li>with movement performed by fluid currents, e.g. issuing from a nozzle, {e.g. pneumatic, flash, vortex or entrainment dryers}(<u>F26B 3/08</u> takes precedence)</li> </ul>
17/101	<ul> <li>{the drying enclosure having the shape of one or a plurality of shafts or ducts, e.g. with substantially straight and vertical axis (F26B 17/107 takes precedence)}</li> </ul>
17/102	<ul> <li>. {with material recirculation, classifying or disintegrating means (<u>F26B 17/103</u> takes precedence)}</li> </ul>
17/103	• • • {with specific material feeding arrangements, e.g. combined with disintegrating means}

17/104	defining or changing the course of the entrained material}
17/105	<ul> <li>{the shaft or duct, e.g. its axis, being other than straight, i.e. curved, zig-zag, closed-loop, spiral}</li> </ul>
17/106	• • {the drying enclosure, e.g. its axis, being substantially straight and horizontal, e.g. pneumatic drum dryers; the drying enclosure consisting of multiple substantially straight and horizontal stretches (F26B 17/107 takes precedence)}
17/107	• • {pneumatically inducing within the drying enclosure a curved flow path, e.g. circular, spiral, helical; Cyclone or Vortex dryers (swirl or curved flow path induced mechanically, i.e. by rotating element <u>F26B 3/0923</u> )}
17/108 17/12	<ul> <li>{using impinging streams of entrained material}</li> <li>with movement performed solely by gravity {, i.e. the material moving through a substantially vertical drying enclosure, e.g. shaft}</li> </ul>
17/122	<ul> <li>{the material moving through a cross-flow of drying gas; the drying enclosure, e.g. shaft, consisting of substantially vertical, perforated walls}</li> </ul>
17/124	• • {the vertical walls having the shape of at least two concentric cylinders with the material to be dried moving in-between}
17/126	• • {the vertical walls consisting of baffles, e.g. in louvre-arrangement}
17/128	<ul> <li>{with provisions for working under reduced or increased pressure, with or without heating}</li> </ul>
17/14	• • the materials moving through a counter-current of
17/1408	<ul> <li>gas</li> <li>• { the gas being supplied and optionally extracted through ducts extending into the moving stack of material (in combination with fluid-heated closed tubes or other heating elements in contact with the stack of material F26B 17/16) }</li> </ul>
17/1416	•••• {the ducts being half open or perforated and arranged horizontally}
17/1425	•••• { the ducts being perforated and arranged vertically }
17/1433	<ul> <li>{the drying enclosure, e.g. shaft, having internal members or bodies for guiding, mixing or agitating the material, e.g. imposing a zig-zag movement onto the material (F26B 17/1408, F26B 17/16 take precedence)}</li> </ul>
17/1441	<ul> <li> { the members or bodies being stationary, e.g. fixed panels, baffles, grids, the position of which may be adjustable }</li> </ul>
17/145	•••• {consisting of non-perforated panels or baffles}
17/1458	{consisting of perforated panels or baffles; consisting of grids}
17/1466	• • • {the members or bodies being in movement}
17/1475	••••• {the movement being a vibration or oscillation (F26B 17/26 takes precedence)}
17/1483	<ul> <li> {the movement being a rotation around a vertical axis}</li> </ul>
17/1491	•••• {the movement being a rotation around a horizontal axis}

• • • { with fixed or moving internal bodies for

17/104

20/00	Combinations of machines or apparatus covered by two or more of groups <u>F26B 9/00</u> - <u>F26B 19/00</u>
19/005	<ul> <li>F26B 9/00 - F26B 17/00</li> <li>{Self-contained mobile devices, e.g. for agricultural produce (movable devices with radiation means F26B 3/28; small self-contained devices for drying objects at rest F26B 9/003)}</li> </ul>
19/00	Machines or apparatus for drying solid materials or objects not covered by groups
17/34	• • the movement being in a vertical or steeply inclined plane
17/32	• the movement being in a horizontal or slightly inclined plane
	containers; with movement performed by rotary floors {(the material moving down superimposed floors F26B 17/001)}
17/30	<ul> <li>of the materials being area on performed arams of rollers, e.g. sieve or suction drums}</li> <li>with movement performed by rotary or oscillating</li> </ul>
17/288	<ul> <li>to be dried onto the drums or rollers;</li> <li>Arrangements for removing dried materials from the drums or rollers, e.g. doctor blades}</li> <li>• {the materials being dried on perforated drums or</li> </ul>
17/286	<ul> <li>for heating or cooling drums, for removal of condensate <u>F26B 13/183</u>)</li> <li> {Arrangements for application of materials</li> </ul>
17/284	<ul> <li>devices }</li> <li>{the materials being dried on the non-perforated surface of heated rollers or drums (arrangements</li> </ul>
17/282	• • {the materials adhering to, and being dried on, the surface of rotating discs with or without scraping
17/28	<ul> <li>with movement performed by rollers or discs with material passing over or between them, e.g. suction drum, sieve {, the axis of rotation being in fixed position (moving rotating rollers F26B 15/122)}</li> </ul>
17/266	• • {the materials to be dried being moved in a helical, spiral or circular path, e.g. vibrated helix}
	movement while being transversely moved in one direction, the reverse or return movement being effected in an inoperative state, e.g. lifted, in rest}
17/263	<ul> <li>stationary surfaces; with movement performed by reciprocating or oscillating shelves, sieves, or trays {(F26B 17/006 takes precedence)}</li> <li>. {the conveying element making a rotary working</li> </ul>
17/26	<ul> <li>subject to impact (F26B 17/108 takes precedence)}</li> <li>with movement performed by reciprocating or oscillating conveyors propelling materials over</li> </ul>
17/24	<ul> <li>inclined {(F26B 17/003 takes precedence)}</li> <li>with movement performed by shooting or throwing the materials {, e.g. after which the materials are</li> </ul>
17/22	<ul> <li>superimposed arrangement}</li> <li>the axis of rotation being vertical or steeply</li> <li>limit (T2CD 17/002 + limit)</li> </ul>
17/205	<ul><li>inclined</li><li>inclined</li><li>with multiple chambers, e.g. troughs, in</li></ul>
17/20	<ul><li>moving materials in stationary chambers {, e.g. troughs}</li><li>the axis of rotation being horizontal or slightly</li></ul>
17/18	<ul> <li>material (F26B 17/128 takes precedence)}</li> <li>with movement performed by rotating helical blades or other rotary conveyors {which may be heated}</li> </ul>
17/16	• the materials passing down a heated surface {, e.g. fluid-heated closed ducts or other heating elements in contact with the moving stack of

**Details of general application** 

21/00	Arrangements {or duct systems, e.g. in combination with pallet boxes,} for supplying and
	controlling air or gases for drying solid materials or objects ({F26B 9/10 takes precedence; systems for
	vehicle body drying <u>B60S 3/002</u> }; air conditioning or
	ventilation in general $\underline{F24F}$ )
21/001	• {Drying-air generating units, e.g. movable,
	independent of drying enclosure}
21/002	• {heating the drying air indirectly, i.e. using a
	heat exchanger (F26B $23/001$ takes precedence;
21/003	<pre>closed-loop systems F26B 23/10)} . {Supply-air or gas filters}</pre>
21/003	• {Nozzle assemblies; Air knives; Air distributors;
	Blow boxes ( <u>F26B 3/082</u> , <u>F26B 13/104</u> ,
	<u>F26B 13/108</u> , <u>F26B 21/006</u> take precedence)}
21/005	• {Drying-steam generating means}
21/006	• {the gas supply or exhaust being effected through
	hollow spaces or cores in the materials or objects, e.g. tubes, pipes, bottles ( $F26B \ 9/003$ and
	$\frac{F26B 9/103}{F26B 9/103}$ take precedence)
21/007	• {the objects being bobbin- or spool-like bodies}
21/008	• • {the objects being flexible articles, which may be
	blown up by the drying gas, e.g. tubes, sausage casings (fire hoses <u>A62C 33/02</u> )}
21/02	• Circulating air or gases in closed cycles, e.g.
	wholly within the drying enclosure (F26B 21/08, F26B 21/14, {F26B 23/022} take precedence)
21/022	• {with provisions for changing the drying gas flow
	pattern, e.g. by reversing gas flow, by moving
	the materials or objects through subsequent
	compartments, at least two of which have a
	different direction of gas flow (varying fan speed F26B 21/12)}
21/024	• • {by using movable fan units}
21/026	• • • {by reversing fan rotation}
21/028	• • {by air valves, movable baffles or nozzle
21/04	arrangements }
21/04	• partly outside the drying enclosure {(F26B 21/006 takes precedence)}
21/06	• Controlling, e.g. regulating, parameters of gas
	supply (F26B 21/14 takes precedence; control in
	general <u>G05</u> )
21/08	• • Humidity
21/083	• • {by using sorbent or hygroscopic materials, e.g. chemical substances, molecular sieves}
21/086	• • • {by condensing the moisture in the drying medium, which may be recycled, e.g. using a
	heat pump cycle}
21/10	• Temperature; Pressure {(F26B 23/026 takes
	precedence)}
21/12	Velocity of flow; Quantity of flow {, e.g. by
	varying fan speed, by modifying cross flow area
	( <u>F26B 21/004</u> takes precedence; changing air flow pattern <u>F26B 21/022</u> )}
21/14	• using gases or vapours other than air or steam {, e.g.
_ 1/ 1 T	inert gases }
21/145	• • {Condensing the vapour onto the surface of the
	materials to be dried (using condensing steam
	<u>F26B 3/00;</u> using chemical liquids <u>F26B 5/005</u> )
23/00	Heating arrangements ({by radiation, e.g. infrared,
	ultraviolet, solar <u>F26B 3/28</u> and <u>F26B 3/30</u> }; using
	heated air or gases F26B 21/00)

00/001	
23/001	• {using waste heat}
23/002	<ul> <li>{recovered from dryer exhaust gases</li> </ul>
	(F26B 23/022 takes precedence)}
23/004	• • {by compressing and condensing vapour in
23/001	exhaust gases, i.e. using an open cycle heat
	pump system}
23/005	• • • {using a closed cycle heat pump system (with
	recycling of drying medium F26B 21/086);
	using a heat pipe system }
23/007	• {recovered from the dried product (burning the
23/007	product <u>F26B 23/028</u> )}
22/000	
23/008	• • • {using a heat pump cycle}
23/02	• using combustion heating ({F26B 3/305,
	<u>F26B 13/186, F26B 21/001, } F26B 23/10</u> take
	precedence)
23/022	• {incinerating volatiles in the dryer exhaust gases,
23/022	the produced hot gases being wholly, partly or not
	recycled into the drying enclosure}
23/024	• • {by means of catalytic oxidation}
23/026	• • {with pulse combustion, e.g. pulse jet combustion
	drying of particulate materials}
23/028	• {using solid fuel; burning the dried product}
23/020	• using electric heating (F26B $23/10$ takes
23/04	
	precedence)
23/06	• • resistance heating
23/10	<ul> <li>using tubes or passages containing heated fluids</li> </ul>
	{, e.g. acting as radiative elements; Closed-loop
	systems (for combustion gases <u>F26B 3/305</u> )}
	$\frac{1}{2}$
25/00	Details of general application not covered by group
	F26B 21/00 or F26B 23/00 (loading, conveying, and
	unloading in general <u>B65G</u> )
25/001	
25/001	• {Handling, e.g. loading or unloading arrangements}
25/002	<ul> <li>{Handling, e.g. loading or unloading arrangements}</li> <li>. {for bulk goods (F26B 17/103 takes precedence)}</li> </ul>
	• {Handling, e.g. loading or unloading arrangements}
25/002	<ul> <li>{Handling, e.g. loading or unloading arrangements}</li> <li>. {for bulk goods (F26B 17/103 takes precedence)}</li> </ul>
25/002 25/003	<ul> <li>{Handling, e.g. loading or unloading arrangements}</li> <li>{for bulk goods (F26B 17/103 takes precedence)}</li> <li>{for articles}</li> <li>{in the shape of discrete sheets (wicket</li> </ul>
25/002 25/003 25/004	<ul> <li>{Handling, e.g. loading or unloading arrangements}</li> <li>{for bulk goods (F26B 17/103 takes precedence)}</li> <li>{for articles}</li> <li>{in the shape of discrete sheets (wicket conveyors F26B 15/085)}</li> </ul>
25/002 25/003	<ul> <li>{Handling, e.g. loading or unloading arrangements}</li> <li>{for bulk goods (F26B 17/103 takes precedence)}</li> <li>{for articles}</li> <li>{in the shape of discrete sheets (wicket conveyors F26B 15/085)}</li> <li>{Treatment of dryer exhaust gases (incineration of</li> </ul>
25/002 25/003 25/004 25/005	<ul> <li>{Handling, e.g. loading or unloading arrangements}</li> <li>{for bulk goods (F26B 17/103 takes precedence)}</li> <li>{for articles}</li> <li>{in the shape of discrete sheets (wicket conveyors F26B 15/085)}</li> <li>{Treatment of dryer exhaust gases (incineration of volatiles F26B 23/022)}</li> </ul>
25/002 25/003 25/004	<ul> <li>{Handling, e.g. loading or unloading arrangements}</li> <li>{for bulk goods (F26B 17/103 takes precedence)}</li> <li>{for articles}</li> <li>{in the shape of discrete sheets (wicket conveyors F26B 15/085)}</li> <li>{Treatment of dryer exhaust gases (incineration of volatiles F26B 23/022)}</li> <li>{Separating volatiles, e.g. recovering solvents</li> </ul>
25/002 25/003 25/004 25/005	<ul> <li>{Handling, e.g. loading or unloading arrangements}</li> <li>{for bulk goods (F26B 17/103 takes precedence)}</li> <li>{for articles}</li> <li>{for articles}</li> <li>{in the shape of discrete sheets (wicket conveyors F26B 15/085)}</li> <li>{Treatment of dryer exhaust gases (incineration of volatiles F26B 23/022)}</li> <li>{Separating volatiles, e.g. recovering solvents from dryer exhaust gases}</li> </ul>
25/002 25/003 25/004 25/005	<ul> <li>{Handling, e.g. loading or unloading arrangements}</li> <li>{for bulk goods (F26B 17/103 takes precedence)}</li> <li>{for articles}</li> <li>{in the shape of discrete sheets (wicket conveyors F26B 15/085)}</li> <li>{Treatment of dryer exhaust gases (incineration of volatiles F26B 23/022)}</li> <li>{Separating volatiles, e.g. recovering solvents</li> </ul>
25/002 25/003 25/004 25/005 25/006	<ul> <li>{Handling, e.g. loading or unloading arrangements}</li> <li>{for bulk goods (F26B 17/103 takes precedence)}</li> <li>{for articles}</li> <li>{in the shape of discrete sheets (wicket conveyors F26B 15/085)}</li> <li>{Treatment of dryer exhaust gases (incineration of volatiles F26B 23/022)}</li> <li>{Separating volatiles, e.g. recovering solvents from dryer exhaust gases}</li> <li>{Dust filtering; Exhaust dust filters}</li> </ul>
25/002 25/003 25/004 25/005 25/006 25/007	<ul> <li>{Handling, e.g. loading or unloading arrangements}</li> <li>{for bulk goods (F26B 17/103 takes precedence)}</li> <li>{for articles}</li> <li>{in the shape of discrete sheets (wicket conveyors F26B 15/085)}</li> <li>{Treatment of dryer exhaust gases (incineration of volatiles F26B 23/022)}</li> <li>{Separating volatiles, e.g. recovering solvents from dryer exhaust gases}</li> <li>{Dust filtering; Exhaust dust filters}</li> <li>{Seals, locks, e.g. gas barriers or air curtains, for</li> </ul>
25/002 25/003 25/004 25/005 25/006 25/007	<ul> <li>{Handling, e.g. loading or unloading arrangements}</li> <li>{for bulk goods (F26B 17/103 takes precedence)}</li> <li>{for articles}</li> <li>{for articles}</li> <li>{in the shape of discrete sheets (wicket conveyors F26B 15/085)}</li> <li>{Treatment of dryer exhaust gases (incineration of volatiles F26B 23/022)}</li> <li>{Separating volatiles, e.g. recovering solvents from dryer exhaust gases}</li> <li>{Dust filtering; Exhaust dust filters}</li> <li>{Seals, locks, e.g. gas barriers or air curtains, for drying enclosures (F26B 11/024 and F26B 13/005</li> </ul>
25/002 25/003 25/004 25/005 25/006 25/007 25/008	<ul> <li>{Handling, e.g. loading or unloading arrangements}</li> <li>{for bulk goods (F26B 17/103 takes precedence)}</li> <li>{for articles}</li> <li>{for articles}</li> <li>{in the shape of discrete sheets (wicket conveyors F26B 15/085)}</li> <li>{Treatment of dryer exhaust gases (incineration of volatiles F26B 23/022)}</li> <li>{Separating volatiles, e.g. recovering solvents from dryer exhaust gases}</li> <li>{Dust filtering; Exhaust dust filters}</li> <li>{Seals, locks, e.g. gas barriers or air curtains, for drying enclosures (F26B 11/024 and F26B 13/005 take precedence)}</li> </ul>
25/002 25/003 25/004 25/005 25/006 25/007	<ul> <li>{Handling, e.g. loading or unloading arrangements}</li> <li>{for bulk goods (F26B 17/103 takes precedence)}</li> <li>{for articles}</li> <li>{for articles}</li> <li>{in the shape of discrete sheets (wicket conveyors F26B 15/085)}</li> <li>{Treatment of dryer exhaust gases (incineration of volatiles F26B 23/022)}</li> <li>{Separating volatiles, e.g. recovering solvents from dryer exhaust gases}</li> <li>{Dust filtering; Exhaust dust filters}</li> <li>{Seals, locks, e.g. gas barriers or air curtains, for drying enclosures (F26B 11/024 and F26B 13/005 take precedence)}</li> <li>{Alarm systems; Safety sytems, e.g. preventing fire</li> </ul>
25/002 25/003 25/004 25/005 25/006 25/007 25/008	<ul> <li>{Handling, e.g. loading or unloading arrangements}</li> <li>{for bulk goods (F26B 17/103 takes precedence)}</li> <li>{for articles}</li> <li>{for articles}</li> <li>{in the shape of discrete sheets (wicket conveyors F26B 15/085)}</li> <li>{Treatment of dryer exhaust gases (incineration of volatiles F26B 23/022)}</li> <li>{Separating volatiles, e.g. recovering solvents from dryer exhaust gases}</li> <li>{Dust filtering; Exhaust dust filters}</li> <li>{Seals, locks, e.g. gas barriers or air curtains, for drying enclosures (F26B 11/024 and F26B 13/005 take precedence)}</li> <li>{Alarm systems; Safety sytems, e.g. preventing fire and explosions (using inert gases F26B 21/14)}</li> </ul>
25/002 25/003 25/004 25/005 25/006 25/007 25/008	<ul> <li>{Handling, e.g. loading or unloading arrangements}</li> <li>{for bulk goods (F26B 17/103 takes precedence)}</li> <li>{for articles}</li> <li>{for articles}</li> <li>{in the shape of discrete sheets (wicket conveyors F26B 15/085)}</li> <li>{Treatment of dryer exhaust gases (incineration of volatiles F26B 23/022)}</li> <li>{Separating volatiles, e.g. recovering solvents from dryer exhaust gases}</li> <li>{Dust filtering; Exhaust dust filters}</li> <li>{Seals, locks, e.g. gas barriers or air curtains, for drying enclosures (F26B 11/024 and F26B 13/005 take precedence)}</li> <li>{Alarm systems; Safety sytems, e.g. preventing fire</li> </ul>
25/002 25/003 25/004 25/005 25/006 25/007 25/008	<ul> <li>{Handling, e.g. loading or unloading arrangements}</li> <li>{for bulk goods (F26B 17/103 takes precedence)}</li> <li>{for articles}</li> <li>{for articles}</li> <li>{in the shape of discrete sheets (wicket conveyors F26B 15/085)}</li> <li>{Treatment of dryer exhaust gases (incineration of volatiles F26B 23/022)}</li> <li>{Separating volatiles, e.g. recovering solvents from dryer exhaust gases}</li> <li>{Dust filtering; Exhaust dust filters}</li> <li>{Seals, locks, e.g. gas barriers or air curtains, for drying enclosures (F26B 11/024 and F26B 13/005 take precedence)}</li> <li>{Alarm systems; Safety sytems, e.g. preventing fire and explosions (using inert gases F26B 21/14)}</li> </ul>
25/002 25/003 25/004 25/005 25/006 25/007 25/008	<ul> <li>{Handling, e.g. loading or unloading arrangements}</li> <li>{for bulk goods (F26B 17/103 takes precedence)}</li> <li>{for articles}</li> <li>{for articles}</li> <li>{for articles}</li> <li>{for articles}</li> <li>{freatment of dryer exhaust gases (incineration of volatiles F26B 23/022)}</li> <li>{Separating volatiles, e.g. recovering solvents from dryer exhaust gases}</li> <li>{Dust filtering; Exhaust dust filters}</li> <li>{Seals, locks, e.g. gas barriers or air curtains, for drying enclosures (F26B 11/024 and F26B 13/005 take precedence)}</li> <li>{Alarm systems; Safety sytems, e.g. preventing fire and explosions (using inert gases F26B 21/14)}</li> <li>Applications of driving mechanisms, not covered by another subclass</li> </ul>
25/002 25/003 25/004 25/005 25/006 25/007 25/008 25/009 25/02	<ul> <li>{Handling, e.g. loading or unloading arrangements}</li> <li>{for bulk goods (F26B 17/103 takes precedence)}</li> <li>{for articles}</li> <li>{for articles}</li> <li>{for articles}</li> <li>{for articles}</li> <li>{for articles}</li> <li>{freatment of dryer exhaust gases (incineration of volatiles F26B 23/022)}</li> <li>{Separating volatiles, e.g. recovering solvents from dryer exhaust gases}</li> <li>{Dust filtering; Exhaust dust filters}</li> <li>{Seals, locks, e.g. gas barriers or air curtains, for drying enclosures (F26B 11/024 and F26B 13/005 take precedence)}</li> <li>{Alarm systems; Safety sytems, e.g. preventing fire and explosions (using inert gases F26B 21/14)}</li> <li>Applications of driving mechanisms, not covered by another subclass</li> <li>Agitating, stirring, or scraping devices</li> </ul>
25/002 25/003 25/004 25/005 25/006 25/007 25/008 25/009 25/02 25/02	<ul> <li>{Handling, e.g. loading or unloading arrangements}</li> <li>{for bulk goods (F26B 17/103 takes precedence)}</li> <li>{for articles}</li> <li>{for articles}</li> <li>{in the shape of discrete sheets (wicket conveyors F26B 15/085)}</li> <li>{Treatment of dryer exhaust gases (incineration of volatiles F26B 23/022)}</li> <li>{Separating volatiles, e.g. recovering solvents from dryer exhaust gases}</li> <li>{Dust filtering; Exhaust dust filters}</li> <li>{Seals, locks, e.g. gas barriers or air curtains, for drying enclosures (F26B 11/024 and F26B 13/005 take precedence)}</li> <li>{Alarm systems; Safety sytems, e.g. preventing fire and explosions (using inert gases F26B 21/14)}</li> <li>Applications of driving mechanisms, not covered by another subclass</li> <li>Agitating, stirring, or scraping devices {(arrangement of doctor blades F26B 17/286)}</li> </ul>
25/002 25/003 25/004 25/005 25/006 25/007 25/008 25/009 25/02	<ul> <li>{Handling, e.g. loading or unloading arrangements}</li> <li>{for bulk goods (F26B 17/103 takes precedence)}</li> <li>{for articles}</li> <li>{for articles}</li> <li>{for articles}</li> <li>{for articles}</li> <li>{freatment of dryer exhaust gases (incineration of volatiles F26B 23/022)}</li> <li>{Separating volatiles, e.g. recovering solvents from dryer exhaust gases}</li> <li>{Dust filtering; Exhaust dust filters}</li> <li>{Seals, locks, e.g. gas barriers or air curtains, for drying enclosures (F26B 11/024 and F26B 13/005 take precedence)}</li> <li>{Alarm systems; Safety sytems, e.g. preventing fire and explosions (using inert gases F26B 21/14)}</li> <li>Applications of driving mechanisms, not covered by another subclass</li> <li>Agitating, stirring, or scraping devices {(arrangement of doctor blades F26B 17/286)}</li> <li>Chambers, containers, or receptacles {(large</li> </ul>
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25/14	• • Chambers, containers, receptacles of simple
	construction
25/16	mainly closed, e.g. drum
25/18	••• mainly open, e.g. dish, tray, pan {, rack (for
	drying agricultural produce <u>A01F 25/12</u> )}
25/185	• • • • {Spacers; Elements for supporting the goods
	to be dried, i.e. positioned in-between the
	goods to build a ventilated stack (separators
	for articles packaged in stacks <u>B65D 57/00;</u>
	manipulating spacers for stacking purposes
	B65G 57/005)
25/20	• Rollers ( <u>F26B 25/06</u> , { <u>F26B 13/14</u> } take
	precedence)
25/22	• Controlling the drying process in dependence on
	liquid content of solid materials or objects
25/225	• • {by repeated or continuous weighing of the
	material or a sample thereof }
	······································

2200/00	Drying processes and machines for solid materials characterised by the specific requirements of the drying good
2200/02	• Biomass, e.g. waste vegetative matter, straw
2200/04	. Garbage
2200/06	. Grains, e.g. cereals, wheat, rice, corn
2200/08	Granular materials
2200/10	• Grass
2200/12	• Manure
2200/14	• Sand
2200/16	• Sea weed; Marine products
2200/18	• Sludges, e.g. sewage, waste, industrial processes, cooling towers
2200/20	• Teas, i.e. drying, conditioning, withering of tea leaves
2200/22	Tobacco leaves
2200/24	• Wood particles, e.g. shavings, cuttings, saw dust

Drying processes and machines for solid materials or objects characterised by the specific requirements of the drying good

2210/00	Drying processes and machines for solid objects characterised by the specific requirements of the drying good
2210/02	• Ceramic articles or ceramic semi-finished articles
2210/04	. Eggs
2210/06	Long pasta, e.g. spaghetti
2210/08	Short pasta, e.g. macaroni, vermicelli
2210/10	• Umbrellas
2210/12	• Vehicle bodies, e.g. after being painted
2210/14	• Veneer, i.e. wood in thin sheets
2210/16	• Wood, e.g. lumber, timber