CPC COOPERATIVE PATENT CLASSIFICATION

E FIXED CONSTRUCTIONS

BUILDING

E03 WATER SUPPLY; SEWERAGE

E03B INSTALLATIONS OR METHODS FOR OBTAINING, COLLECTING, OR

DISTRIBUTING WATER (drilling wells, obtaining fluids in general from wells <u>E21B</u>; pipeline systems in general <u>F17D</u>)

WARNING

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.

1/00	Methods or layout of installations for water supply
	(E03B 3/00, E03B 9/00 take precedence)
1/02	 for public or like main supply {for industrial use}
1/04	• for domestic or like local supply
1/041	• • {Greywater supply systems}
1/042	• • {Details thereof, e.g. valves or pumps}
1/044	• • • {Switch valves in waste pipes}
2001/045	• • {using household water}
2001/047	• • • {using rainwater}
1/048	• • {Systems for collecting not used fresh water}
3/00	Methods or installations for obtaining or collecting drinking water or tap water (treatment of water <u>C02F</u>)
3/02	• from rain-water
3/03	• Special vessels for collecting or storing rain- water for use in the household, e.g. water-butts {(containers for storage, in general, <u>B65D</u>)}
3/04	• from surface water {(barrages <u>E02B 7/00</u>)}
3/06	 from underground {(consolidating foundation soil by draining, e.g. by lowering the water level <u>E02D 3/00</u>; subsoil filtering <u>E21B 43/02</u>)}
3/08	• Obtaining and confining water by means of wells (applicable to a combination of water and other liquids or to other liquids only <u>E21B 43/00</u>)
3/10	• • • by means of pit wells
3/11	• • • in combination with tubes, e.g. perforated, extending horizontally, or upwardly inclined, exterior to the pits
3/12	• • • by means of vertical pipe wells
3/14	• • • by means of horizontal or oblique wells
3/15	••• Keeping wells in good condition, e.g. by cleaning, repairing, regenerating; Maintaining or enlarging the capacity of wells or water- bearing layers (with artificial enrichment <u>E03B 3/32</u> {; cleaning, in general <u>B08B</u> })
3/16	Component parts of wells
3/18	Well filters (filters in general <u>B01D 24/00</u> - <u>B01D 35/00</u>)
3/20	of elements of special shape
3/22	Selection of specified materials {(not
	used, documents in E03B 3/20)}
3/24	formed of loose materials, e.g. gravel
3/26	••••• with packed filtering material

3/28	. from humid air (condensing of vapours in general
	B01D 5/00; dehumidification of air for air-
	conditioning F24F 3/14)
3/30	• from snow or ice
3/32	• with artificial enrichment, e.g. by adding water
	from a pond or a river {(consolidating foundation
	soil by draining, e.g. by lowering the water level
	<u>E02D 3/00</u>)}
3/34	• • of underground water
3/36	of surface water
3/38	• Curbs for springs
3/40	• Other devices for confining, e.g. trenches, drainage
5/00	Use of pumping plants or installations; Layouts
	thereof (pumps; pumping plants or installations per se
	<u>F04</u>)
5/02	 arranged in buildings
5/025	• • {with surface tanks}
5/04	• arranged in wells
5/045	• • {with surface tanks}
5/06	• • Special equipment {, e.g. well seals and
	connections for well casings or the like}
7/00	Water main or service pipe systems (pipes or tubes
7/00	Water main or service pipe systems (pipes or tubes in general <u>F16L</u>)
7/00 7/003	in general <u>F16L</u>)Arrangement for testing of watertightness of water
	in general <u>F16L</u>)
	 in general <u>F16L</u>) {Arrangement for testing of watertightness of water supply conduits} {Arrangements or methods for cleaning or
7/003	 in general <u>F16L</u>) {Arrangement for testing of watertightness of water supply conduits}
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E03B

7/078	• • {Combined units with different devices;
	Arrangement of different devices with respect to
	each other}
7/08	• Arrangement of draining devices, {e.g. manual
	shut-off valves}(draining devices in general
7/09	<u>F16K</u> , <u>F16L</u>) . Component parts or accessories (tools for
1/09	cleaning pipes <u>B08B 9/02</u> ; devices for preventing
	contamination of drinking water pipes for domestic
	use E03C $1/10$; devices for preventing damage in
	case of bursts of pipes F16L; heating or cooling of
	pipes or pipe systems F16L 53/00)
7/095	• • {Component holders or housings, e.g. boundary
	boxes}
7/10	• Devices preventing bursting of pipes by freezing
	(devices preventing bursting of pipes in general
7/12	F16L 55/00) by preventing freezing
7/12	 Devices for thawing frozen pipes
<i>// 1</i>	
9/00	Methods or installations for drawing-off water
	(domestic water-drawing devices $\underline{E03C}$; taps or valves
9/02	per se F16K)Hydrants; Arrangements of valves therein; Keys for
9/02	hydrants
2009/022	• {Hydrants with a tubular valve seat}
9/025	 . {Taps specially designed for outdoor use, e.g.
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	wall hydrants, sill cocks}
9/027	••• {with features preventing frost damage}
9/04	Column hydrants
9/06	Covers
9/08	Underground hydrants
9/10	Protective plates or covers
9/12	Stand-pipes
9/14	Draining devices for hydrants
9/16	• Devices for retaining foreign matter, e.g. sand
9/18	• Cleaning tools for hydrants
9/20	Pillar fountains or like apparatus for dispensing drinking water
	drinking water
11/00	Arrangements or adaptations of tanks for water
	supply (water-butts E03B 3/03; storage aspects
	<u>B65D</u> , <u>B65G</u> , <u>F17B</u> , <u>F17C</u> ; foundations <u>E02D 27/38</u> ; construction or assembling of bulk storage containers
	employing civil engineering techniques <u>E04H 7/00;</u>
	tower aspects $E04H 12/00$)
2011/005	• {Tanks with two or more separate compartments
	divided by, e.g. a flexible membrane}
11/02	• for domestic or like local water supply
11/04	• • without air regulators {, i.e. without air inlet or
	outlet valves; water tanks provided with flexible
11/07	walls}
11/06	• with air regulators {(air receivers for water
	conduits <u>F16L 55/04;</u> pressure control devices for fluids <u>G05D</u>)}
11/08	• • • Air regulators
11/10	• for public or like main water supply
11/12	of high-level tanks
11/14	• of underground tanks
11/16	• Adaptations of devices for putting pumping plants
	in and out of operation, e.g. automatic control
	devices {(not used, documents in F04)}