CPC COOPERATIVE PATENT CLASSIFICATION

A HUMAN NECESSITIES

HEALTH; AMUSEMENT

A62 LIFE-SAVING; FIRE-FIGHTING

A62B DEVICES, APPARATUS OR METHODS FOR LIFE-SAVING (valves specially adapted for medical use <u>A61M 39/00</u>; life-saving devices, apparatus or methods specially adapted for use in water <u>B63C 9/00</u>; divers' equipment <u>B63C 11/00</u>; specially adopted for use with aircraft, e.g. parachutes, ejector seats, {<u>B64D 17/00</u>, <u>B64D 25/10</u>}; rescue devices peculiar to mining E21F 11/00)

WARNING

3/005

5/00

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.

Rescuing from fire; Rescuing from buildings or the like (from mountains or trees A63B 27/00, A63B 29/00; from ships B63C)

ountains or trees <u>A63B 27/00</u> , <u>A63B 29/00</u> ; from ships <u>B63C</u>)				
1/00	Devices for lowering persons from buildings or the like			
1/02	 by making use of rescue cages, bags, or the like (elevators, escalators or moving walkways <u>B66B</u>) 			
1/04	Single parts, e.g. fastening devices			
1/06	 by making use of rope-lowering devices (capstans, winches <u>B66D</u>) 			
	<u>NOTE</u>			
	Contrary to the references in the Guide Heading before group A62B 1/00 and in group A62B 1/16, this group contains also ropelowering devices for mountaineering			
1/08	with brake mechanisms for the winches or pulleys			
1/10	mechanically operated			
1/12	hydraulically operated			
1/14	with brakes sliding on the rope			
1/16	. Life-saving ropes or belts (safety belts			
	A62B 35/00; mountain guy-ropes A63B 29/02; life-saving belts for use at sea B63C)			
1/18	• Other single parts for rope lowering-devices, e.g. take-up rollers for ropes, devices for shooting ropes			
1/20	 by making use of sliding-ropes, sliding-poles or chutes, e.g. hoses, pipes, sliding-grooves, sliding- sheets 			
1/22	 by making use of jumping devices, e.g. jumping- sheets, jumping-mattresses 			
3/00	Devices or single parts for facilitating escape from buildings or the like, e.g. protection shields, protection screens; Portable devices for preventing smoke penetrating into distinct parts of buildings (A62B 1/00 takes precedence)			

• {Rescue tools with forcing action}

Other devices for rescuing from fire (ladders <u>E06C</u>)

Respirators; Gas-masks, including breathing apparatus, e.g. for high altitude, or masks therefor; Devices affording protection against harmful chemical agents (composition of materials for coverings against harmful chemical agents A62D 5/00, for transparent parts of breathing apparatus A62D 7/00; composition of chemical substances for use in breathing apparatus A62D 9/00)

7/00	Respiratory apparatus (for medical purposes A61M 16/00)			
7/02	 with compressed oxygen or air 			
7/04	and lung-controlled oxygen or air valves			
7/06	with liquid oxygen {or air; Cryogenic systems}			
7/08	 containing chemicals producing oxygen 			
7/10	 with filter elements 			
7/12	 with fresh-air hose 			
7/14	• for high-altitude aircraft			
9/00	Component parts for respiratory or breathing apparatus (A62B 19/00, A62B 21/00, A62B 23/00 take precedence)			
9/003	• {Means for influencing the temperature or humidity of the breathing gas}			
9/006	• {Indicators or warning devices, e.g. of low pressure, contamination}			
9/02	 Valves {(non-return valves mounted in breathing masks or helmets <u>A62B 18/10</u>)} 			
9/022	• • {Breathing demand regulators (SCUBA diving regulators <u>B63C 11/22</u>)}			
9/025	• • • {with tilting opening action}			
9/027	• • • {pilot operated, i.e. controlled by valve means sensitive to a reduced downstream pressure}			
9/04	Couplings; Supporting frames			
9/06	• Mouthpieces; Nose-clips (for medical purposes <u>A61M 15/00</u>)			
11/00	Devices for reconditioning breathing air in sealed rooms (chemical purification, disinfection, or			

sterilisation of air A61L; in aircraft or submarines,

<u>B64D</u>, respectively; air-conditioning in general <u>F24F</u>)

insofar as they influence the construction of the vehicle or are influenced by its construction <u>B63B</u>,

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 $Respirators; Gas-masks, including \ breathing \ apparatus, e.g. \ for \ high \ altitude, or \ masks \ therefor; \ Devices \ affording...$

13/00	Special devices for ventilating gasproof shelters	19/02	• with oxidising agents	
15/00	(ventilating in general F24F) Installations affording protection against poisonous or injurious substances, e.g. with separate breathing apparatus ({preventing escape	21/00	Devices for producing oxygen from chemical	
		23/00	substances for respiratory apparatus Filters for breathing-protection purposes (gas-	
	of dirt or fumes from the area where they are	23/02	filters in general <u>B01D</u>) for respirators	
	produced <u>B08B 15/00</u> }; building aspects <u>E04H 9/00</u> {; use of air currents for screening <u>F24F 9/00</u> })	23/025	the filter having substantially the shape of a mask (surgical face masks A41D 13/11)}	
17/00	Protective clothing affording protection against heat or harmful chemical agents or for use at high	23/04	 for gasproof shelters 	
	altitudes (protective clothing or garments for work	23/06	. Nose filters	
	or sport A41D 13/00; {e.g. overalls A41D 13/02, surgical gowns A41D 13/12; materials for protecting	25/00	Devices for storing {or holding or carrying} respiratory or breathing apparatus	
	clothing <u>A41D 31/04</u> }; protecting eyes or ears <u>A61F 9/00</u> ; composition of materials for protective	25/005	• {for high altitude}	
	clothing <u>A62D 5/00</u> ; life-saving garments for use at sea <u>B63C</u> ; diving suits <u>B63C 11/02</u> ; flight suits <u>B64D 10/00</u> ; space suits <u>B64G 6/00</u> ; bullet-proof	27/00	Methods or devices for testing respiratory or breathing apparatus {for high altitudes}(apparatus for testing gastightness in general <u>G01M</u>)	
	clothing <u>F41H 1/02</u>)	29/00	Devices, e.g. installations, for rendering harmless	
17/001	• {Adaptations for donning, adjusting or increasing mobility, e.g. closures, joints}	_,,,,	or for keeping off harmful chemical agents (respiratory apparatus A62B 7/00; gasproof doors,	
17/003	• {Fire-resistant or fire-fighters' clothes}		windows, shutters <u>E06B</u>)	
17/005 17/006	 {Active or passive body temperature control} {against contamination from chemicals, toxic or hostile environments; ABC suits} 	31/00	Containers or portable cabins for affording breathing protection with devices for	
17/008	• {High-altitude pressure suits}		reconditioning the breathing air or for ventilating,	
17/04	• Hoods		{in particular those that are suitable for invalids or small children}(ventilation of gasproof shelters	
17/08	 Protective coverings for animals {(protective covers when working <u>B68C 5/00</u>)} 		A62B 13/00; protective clothes or coverings A62B 17/00; treatment rooms for medical purposes	
18/00	Breathing masks or helmets, e.g. affording		<u>A61G 10/00</u>)	
	protection against chemical agents or for use	33/00	Devices for allowing seemingly-dead persons to	
	at high altitudes {or incorporating a pump or compressor for reducing the inhalation		escape or draw attention; Breathing apparatus for accidentally buried persons	
	effort}(A62B 17/00 takes precedence; anaesthetic		•	
10/002	masks <u>A61M 16/06</u>)	35/00	Safety belts or body harnesses; Similar equipment for limiting displacement of the human body,	
18/003 18/006	 {having means for creating a fresh air curtain} {with pumps for forced ventilation (A62B 18/045) 		especially in case of sudden changes of motion	
10/000	takes precedence)}		(buckles A44B 11/00; accessories for children's	
18/02	• Masks (gas-masks for animals <u>A62B 18/06</u> ; masks for welders <u>A61F 9/06</u>)		furniture A47D 15/00; children's seats B60N 2/24; safety belts or body harnesses for land vehicles	
18/025	• • {Halfmasks (A62B 23/02 takes precedence; surgical face masks A41D 13/11)}		B60R 22/00; harnesses for parachutes B64D 17/30; harnessing in aircraft B64D 25/06; releasable	
18/04	• Gas helmets	35/0006	fastenings <u>F16B</u>) • {Harnesses; Accessories therefor}	
18/045	• • {with fans for delivering air for breathing	35/0000	. { Flamesses, Accessories therefor }. { Sit harnesses }	
18/06	mounted in or on the helmet} . Gas masks for animals	35/0012	• • (Full body harnesses covering at least shoulders	
18/08	Component parts for gas-masks or gas-helmets, e.g.		and thighs}	
10,00	windows, straps, speech transmitters, signal-devices	35/0025	• • {Details and accessories}	
	(eye-pieces for protective goggles A61F 9/02;	35/0031	• • {Belt sorting accessories, e.g. devices keeping the belts in comfortable positions}	
	composition of materials for the windows or other transparent parts A62D 7/00)	35/0037	{Attachments for lifelines and lanyards	
18/082	{Assembling eyepieces, lenses or vision- correction means in or on gas-masks}	35/0043	(lifelines, lanyards A62B 35/0043)} • {Lifelines, lanyards, and anchors therefore	
18/084	{Means for fastening gas-masks to heads or helmets}	35/005	(attachments A62B 35/0037)) • {Vertical lifelines}	
18/086	• {Adaptations for consuming refreshments without	35/0056	• • {Horizontal lifelines}	
	unmasking}	35/0062	• • {Rail-form lifelines for permanent installation}	
18/088	• • {Devices for indicating filter saturation}	35/0068	{Anchors}	
18/10	Valves	35/0075	{Details of ropes or similar equipment, e.g. between the secured person and the lifeline or	
19/00	Cartridges with absorbing substances for		anchor}	
	respiratory apparatus {(carbon dioxide absorbing devices A61M 16/22)}	35/0081	• {Equipment which can travel along the length of a lifeline, e.g. travelers}	

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A62B

35/0087

• • {Arrangements for bypassing lifeline supports without lanyard disconnection}

35/0093

• {Fall arrest reel devices}

35/04

. incorporating energy absorbing means

99/00 Subject matter not provided for in other groups of this subclass

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