**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 A61M 39/00; life-saving devices, apparatus or methods specially adapted for use in water B63C 9/00; divers' equipment B63C 11/00; specially adopted for use with aircraft, e.g. parachutes, ejector seats, {B64D 17/00, B64D 25/10}; rescue devices peculiar to mining E21F 11/00)

**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.

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

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 B66B)

1/04 . . Single parts, e.g. fastening devices

1/06 . by making use of rope-lowering devices (capstans, winches B66D)

**NOTE**

Contrary to the references in the Guide

Heading before group A62B 1/00 and in group A62B 1/16, this group contains also rope-lowering 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)

3/005 . [Rescue tools with forcing action]

5/00 Other devices for rescuing from fire (ladders E06C)

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 A66D 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 A62B 18/10}

9/022 . {Breathing demand regulators (SCUBA diving regulators B63C 11/22)}

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 A61M 15/00)

11/00 Devices for reconditioning breathing air in sealed rooms (chemical purification, disinfection, or sterilisation of air A61I; in aircraft or submarines, insofar as they influence the construction of the vehicle or are influenced by its construction B63B, B64D, respectively; air-conditioning in general F24E)
Respirators; Gas-masks, including breathing apparatus, e.g. for high altitude, or masks therefor; Devices affording...

13/00 Special devices for ventilating gasproof shelters (ventilating in general F24F)

15/00 Installations affording protection against poisonous or injurious substances, e.g. with separate breathing apparatus (preventing escape of dirt or fumes from the area where they are produced B08B 15/00); building aspects E04H 9/00; use of air currents for screening F24F 9/00)

17/00 Protective clothing affording protection against heat or harmful chemical agents or for use at high altitudes (protective clothing for work or sport A41D 13/00; (e.g. overalls A41D 13/02, surgical gowns A41D 13/12; materials for protecting clothing A41D 31/04); protecting eyes or ears A61F 9/00; composition of materials for protective clothing A62D 5/00; life-saving garments for use at sea B63C; diving suits B63C 11/02; flying suits, (anti-g suits) B64D 10/00; space suits B64G 6/00; bullet-proof clothing F41H 10/2)

WARNING
Groups A62B 17/00 - A62B 17/08 are incomplete pending reclassification of documents from group A41D 31/04.
All groups listed in this Warning should be considered in order to perform a complete search.

17/001 . (Adaptations for donning, adjusting or increasing mobility, e.g. closures, joints)
17/003 . (Fire-resistant or fire-fighters' clothes)
17/005 . (Active or passive body temperature control)
17/006 . (against contamination from chemicals, toxic or hostile environments; ABC suits)
17/008 . (High-altitude pressure suits)
17/04 . Hoods
17/08 . Protective coverings for animals (protective covers when working B66C 5/00)

18/00 Breathing masks or helmets, e.g. affording protection against chemical agents or for use at high altitudes (or incorporating a pump or compressor for reducing the inhalation effort) (A62B 17/00 takes precedence; anaesthetic masks A61M 16/06)

18/003 . (having means for creating a fresh air curtain)
18/006 . (with pumps for forced ventilation (A62B 18/045 takes precedence))
18/02 . Masks (gas-masks for animals A62B 18/06; masks for welders A61F 9/06)
18/025 . (Halfmasks (A62B 23/02 takes precedence; surgical face masks A41D 13/11))
18/04 . Gas helmets
18/045 . (with fans for delivering air for breathing mounted in or on the helmet)
18/06 . Gas masks for animals
18/08 . Component parts for gas-masks or gas-helmets, e.g. windows, straps, speech transmitters, signal-devices (eye-pieces for protective goggles A61F 9/02; composition of materials for the windows or other transparent parts A62D 7/00)
18/082 . (Assembling eyepieces, lenses or vision-correction means in or on gas-masks)
18/084 . (Means for fastening gas-masks to heads or helmets)

18/086 . . (Adaptations for consuming refreshments without unmasking)
18/088 . . (Devices for indicating filter saturation)
18/10 . . Valves
19/00 Cartridges with absorbing substances for respiratory apparatus (carbon dioxide absorbing devices A61M 16/22)
19/02 . with oxidising agents

21/00 Devices for producing oxygen from chemical substances for respiratory apparatus

23/00 Filters for breathing-protection purposes (gas-filters in general B01D)
23/02 . for respirators
23/025 . (the filter having substantially the shape of a mask (surgical face masks A41D 13/11))
23/04 . for gasproof shelters
23/06 . Nose filters

25/00 Devices for storing (or holding or carrying) respiratory or breathing apparatus
25/005 . (for high altitude)

27/00 Methods or devices for testing respiratory or breathing apparatus (for high altitudes) (apparatus for testing gastightness in general G01M)

29/00 Devices, e.g. installations, for rendering harmless or for keeping off harmful chemical agents (respiratory apparatus A62B 7/00; gasproof doors, windows, shutters E06B)

31/00 Containers or portable cabins for affording breathing protection with devices for reconditioning the breathing air or for ventilating, (in particular those that are suitable for invalids or small children) (ventilation of gasproof shelters A62B 13/00; protective clothes or coverings A62B 17/00; treatment rooms for medical purposes A61G 10/00)

33/00 Devices for allowing seemingly-dead persons to escape or draw attention; Breathing apparatus for accidentally buried persons

35/00 Safety belts or body harnesses; Similar equipment for limiting displacement of the human body, especially in case of sudden changes of motion (buckles A44B 11/00; accessories for children's furniture A47D 15/00; children's seats B60N 2/24; safety belts or body harnesses for land vehicles B60R 22/00; harnesses for parachutes B64D 17/30; harnessing in aircraft B64D 25/06; releasable fastenings F16B)

35/0006 . (Harnesses; Accessories therefor)
35/0012 . (Sit harnesses)
35/0018 . (Full body harnesses covering at least shoulders and thighs)
35/0025 . (Details and accessories)
35/0031 . (Belt sorting accessories, e.g. devices keeping the belts in comfortable positions)
35/0037 . (Attachments for lifelines and lanyards (lifelines, lanyards A62B 35/0043))
35/0043 . (Lifelines, lanyards, and anchors therefore (attachments A62B 35/0037))
35/005 . (Vertical lifelines)
Respirators; Gas-masks, including breathing apparatus, e.g. for high altitude, or masks therefor; Devices affording...

35/0056 . . . {Horizontal lifelines}
35/0062 . . . {Rail-form lifelines for permanent installation}
35/0068 . . . {Anchors}
35/0075 . . . {Details of ropes or similar equipment, e.g. between the secured person and the lifeline or anchor}
35/0081 . {Equipment which can travel along the length of a lifeline, e.g. travelers}
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