

Title (en)
VENTILATION SYSTEM PROVIDING NBC PROTECTION

Title (de)
BELÜFTUNGSANLAGE FÜR DEN NBC-SCHUTZ

Title (fr)
INSTALLATION DE VENTILATION POUR LA PROTECTION NBC

Publication
EP 1631357 A1 20060308 (DE)

Application
EP 04733757 A 20040519

Priority
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• CH 9242003 A 20030522

Abstract (en)
[origin: WO2004103475A1] Disclosed is a ventilation system (10) providing NBC protection in at least one closed security space and/or protective space (12) having permanent pressure slightly above atmospheric. Said ventilation system (10) essentially comprises an air inlet (16) and an air outlet (18), an anti-explosion valve (28), a prefilter (26), a filter (38) for suspended matter, an activated carbon filter (40), and an air-conveying device for sucking in the air that is to be purified and distributing the purified air. At least one of the following three built-in elements is arranged in the inventive ventilation system (10): an anti-explosion valve (28) that is combined with and cooperates with the prefilter (26); a combined activated carbon filter (40) made of activated carbon which is specifically effective against harmful biological and/or chemical substances and radionuclides; an air pump that is embodied as a double pair of bellows (52).

IPC 1-7
A62B 13/00

IPC 8 full level
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CPC (source: EP US)
A62B 13/00 (2013.01 - EP US); **A62C 4/00** (2013.01 - EP US); **Y10S 454/902** (2013.01 - EP US)

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See references of WO 2004103475A1

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