

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  
• CH 2004000304 W 20040519  
• 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  
**A62B 13/00** (2006.01)

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)

Citation (search report)  
See references of WO 2004103475A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2004103475 A1 20041202**; AT E472346 T1 20100715; DE 502004011336 D1 20100812; EP 1631357 A1 20060308; EP 1631357 B1 20100630; US 2007017510 A1 20070125; US 7527663 B2 20090505

DOCDB simple family (application)  
**CH 2004000304 W 20040519**; AT 04733757 T 20040519; DE 502004011336 T 20040519; EP 04733757 A 20040519; US 55800205 A 20051122