

- Title (en)
FOLDABLE FACE - PIECE RESPIRATOR OF THE FFP-3 TYPE
- Title (de)
FALTBARES ATEMSCHUTZGERÄT FÜRS GESICHT VOM TYP FFP-3
- Title (fr)
APPAREIL DE PROTECTION RESPIRATOIRE À MASQUE PLIABLE DU TYPE FFP-3
- Publication
EP 3375308 A1 20180919 (EN)
- Application
EP 18161813 A 20180314
- Priority
RU 2017108984 A 20170317
- Abstract (en)
A flat-fold filtering face-piece respirator that comprises a mask body having a foldable central portion containing a line of demarcation separating the central portion of the mask body into two portions and along which the central portion can be folded into a collapsed form, said respirator meeting the requirements of the FFP-3 standard.
- IPC 8 full level
A41D 13/11 (2006.01); **A62B 23/02** (2006.01)
- CPC (source: EP RU)
A41D 13/1138 (2013.01 - EP); **A62B 7/00** (2013.01 - RU); **A62B 23/025** (2013.01 - EP)
- Citation (applicant)
- US RE39493 E 20070227 - YUSCHAK GREGORY [US], et al
 - US 4790306 A 19881213 - BRAUN DAVID L [US], et al
 - US 7131442 B1 20061107 - KRONZER JOSEPH P [US], et al
 - US 6923182 B2 20050802 - ANGADJIVAND SEYED ABOLHASSAN [US], et al
 - US 6041782 A 20000328 - ANGADJIVAND SEYED ABOLHASSAN [US], et al
 - US 4850347 A 19890725 - SKOV MARTIN R [DE]
 - US 4807619 A 19890228 - DYRUD JAMES F [US], et al
 - US 4536440 A 19850820 - BERG HARVEY J [US]
 - US D285374 S 19860826 - HUBER OTTO L, et al
 - US 6568392 B1 20030527 - BOSTOCK GRAHAM J [GB], et al
 - US 6484722 B2 20021126 - BOSTOCK GRAHAM J [GB], et al
 - US 6394090 B1 20020528 - CHEN DANIEL T [US], et al
 - EP 2298419 A1 20110323 - 3M INNOVATIVE PROPERTIES CO [US]
 - WO 2010080201 A1 20100715 - 3M INNOVATIVE PROPERTIES CO [US]
 - US 5558089 A 19960924 - CASTIGLIONE DAVID M [US]
 - US D412573 S 19990803 - CASTIGLIONE DAVID M
 - US 5617849 A 19970408 - SPRINGETT JAMES E [US], et al
 - US 4600002 A 19860715 - MARYYANEK RICHARD D [US], et al
 - CA 1296487 C 19920303 - MINNESOTA MINING & MFG [US]
 - US 6334671 B1 20020101 - UMEHARA SHIGERU [JP]
 - US 3971373 A 19760727 - BRAUN DAVID L
 - US 6391429 B1 20020521 - SENKUS RAYMOND [US], et al
 - US 5804295 A 19980908 - BRAUN DAVID L [US], et al
 - US 5656368 A 19970812 - BRAUN DAVID L [US], et al
 - US 4215682 A 19800805 - DAVIS CHARLES I [US], et al
 - US 6824718 B2 20041130 - EITZMAN PHILIP D [US], et al
 - US 6783574 B1 20040831 - ANGADJIVAND SEYED A [GB], et al
 - US 6743464 B1 20040601 - INSLEY THOMAS I [US], et al
 - US 6454986 B1 20020924 - EITZMAN PHILIP D [US], et al
 - US 6406657 B1 20020618 - EITZMAN PHILIP D [US], et al
 - US 6375886 B1 20020423 - ANGADJIVAND SEYED A [US], et al
 - US 5496507 A 19960305 - ANGADJIVAND SEYED A [US], et al
 - US 4588537 A 19860513 - KLAASE PETRUS T A [NL], et al
 - US 4798850 A 19890117 - BROWN RICHARD C [GB]
 - US 5908598 A 19990601 - ROUSSEAU ALAN D [US], et al
 - US 6398847 B1 20020604 - JONES MARVIN E [US], et al
 - US 6397458 B1 20020604 - JONES MARVIN E [US], et al
 - US 6409806 B1 20020625 - JONES MARVIN E [US], et al
 - US 4013816 A 19770322 - SABEE REINHARDT N, et al
 - US 6492286 B1 20021210 - BERRIGAN MICHAEL R [US], et al
 - US 6123077 A 20000926 - BOSTOCK GRAHAM J [GB], et al
 - WO 9628216 A1 19960919 - MINNESOTA MINING & MFG [US], et al
 - US 6332465 B1 20011225 - XUE JIANXIAN [US], et al
 - US 6062221 A 20000516 - BROSTROM GERALD M [US], et al
 - US 5237986 A 19930824 - SEPPALA HAROLD J [US], et al
 - EP 1495785 A1 20050112 - CHIEN CHENG-YUAN [TW]
 - US 2008011303 A1 20080117 - ANGADJIVAND SEYED A [US], et al
 - DAVIES, C. N.: "The Separation Of Airborne Dust Particles", 1952, INSTITUTION OF MECHANICAL ENGINEERS

Citation (search report)

- [X] US 2011094515 A1 20110428 - DUFFY DEAN R [US]
- [X] US 2011067700 A1 20110324 - SPOO SCOTT A [US], et al
- [AD] US 4600002 A 19860715 - MARYYANEK RICHARD D [US], et al
- [A] US 2008026172 A1 20080131 - STELTER JOHN D [US], et al

- [A] US 2004011362 A1 20040122 - ANGADJIVAND SEYED ABOLHASSAN [US], et al
- [A] US 2012160246 A1 20120628 - NGUYEN NHAT HA T [US], et al
- [AD] US 2008011303 A1 20080117 - ANGADJIVAND SEYED A [US], et al

Cited by

DE102020106235B3; FR3110059A1; WO2021078415A1; DE102020135103B3; WO2021186036A1; WO2023156872A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3375308 A1 20180919; RU 2017108984 A 20180917; RU 2017108984 A3 20180917; RU 2671037 C2 20181029

DOCDB simple family (application)

EP 18161813 A 20180314; RU 2017108984 A 20170317