

Title (en)
DUST MASK

Title (de)
STAUBMASKE

Title (fr)
MASQUE ANTI-POUSSIÈRES

Publication
EP 2754467 A1 20140716 (EN)

Application
EP 12829738 A 20120716

Priority
• KR 20110091410 A 20110908
• KR 2012005641 W 20120716

Abstract (en)
The present invention relates to a dust mask. The dust mask of the present invention comprises: a mask main body in a shape enclosing the nose and mouth areas; a ring-shaped eyepiece, the outer perimeter of which is bound to the periphery of the main body; and a shape retainer detachably provided on an inner surface of the main body. In particular, the shape retainer is a thin film which is not pervious to fluid and which has an intake hole and a discharge hole, an outer perimeter contacting a joining portion between the main body and the eyepiece, and a contactless passage connected from the end of the outer perimeter to the intake hole by means of a plurality of projecting guides radially formed on a surface thereof. The dust mask of the present invention does not exhibit loss of filtering ability of the mask main body caused by contact. Thus, the dust filtering efficiency of the dust mask is significantly improved over conventional masks.

IPC 8 full level
A62B 9/04 (2006.01); **A62B 18/02** (2006.01); **A62B 18/08** (2006.01)

CPC (source: EP KR US)
A41D 13/1138 (2013.01 - EP US); **A41D 13/1161** (2013.01 - EP US); **A62B 9/04** (2013.01 - KR); **A62B 18/02** (2013.01 - KR); **A62B 18/025** (2013.01 - EP US); **A62B 18/08** (2013.01 - KR); **A41D 13/1176** (2013.01 - EP US)

Citation (search report)
See references of WO 2013035979A1

Cited by
FR3110350A1; IT202100003578A1; IT202000008821A1

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

DOCDB simple family (publication)
EP 2754467 A1 20140716; BR 112014005183 A2 20170411; CA 2848047 A1 20130314; CL 2014000558 A1 20141205; CN 102987603 A 20130327; CN 102987603 B 20150107; CO 6990683 A2 20140710; IL 231394 A0 20140430; IN 757KON2014 A 20151002; JP 2014526305 A 20141006; KR 101165763 B1 20120720; MA 35614 B1 20141101; MX 2014002745 A 20140730; PE 20140944 A1 20140802; SG 11201400492X A 20140627; US 2014216479 A1 20140807; WO 2013035979 A1 20130314

DOCDB simple family (application)
EP 12829738 A 20120716; BR 112014005183 A 20120716; CA 2848047 A 20120716; CL 2014000558 A 20140307; CN 201110314466 A 20111017; CO 14074147 A 20140407; IL 23139414 A 20140306; IN 757KON2014 A 20140403; JP 2014529603 A 20120716; KR 20110091410 A 20110908; KR 2012005641 W 20120716; MA 36888 A 20140404; MX 2014002745 A 20120716; PE 2014000318 A 20120716; SG 11201400492X A 20120716; US 201214343072 A 20120716