

Title (en)
RESPIRATOR MASK

Title (de)
ATEMSCHUTZMASKE

Title (fr)
MASQUE RESPIRATOIRE

Publication
EP 4142884 A1 20230308 (DE)

Application
EP 20828649 A 20201201

Priority
• DE 102020111399 A 20200427
• DE 2020101015 W 20201201

Abstract (en)
[origin: WO2021219151A1] The invention relates to a mask (100) for the respiratory protection of a mask wearer (1001), comprising a mask body (1) and at least one filter for filtering a fluid, preferably air, flowing through the mask (1000) and/or the mask body (1), characterised in that the mask body (1) has a cutout section (1002) and/or the mask body (1) has at least one supporting means which is arranged at least in the cheek region and/or in the nose region of a mask wearer (1001) when the mask (1000) is being worn; and/or the at least one filter has at least one or more of the following: a heating coil (12), biofilter (13) and/or moss, moisture reserve (14), aerogel (15), gel foam (18), activated carbon (19), salt water filter (20), labyrinth filter and/or labyrinth (23), UV filter and/or UV radiation unit (29), filter fleece, metal foam filter, filter foam, electrical and/or electrostatic filter, membrane filter and/or particulate filter.

IPC 8 full level
A62B 9/00 (2006.01); **A62B 9/04** (2006.01); **A62B 18/02** (2006.01); **A62B 18/08** (2006.01); **A62B 18/10** (2006.01); **A62B 23/02** (2006.01)

CPC (source: EP US)
A61L 9/014 (2013.01 - US); **A61L 9/20** (2013.01 - EP US); **A62B 7/10** (2013.01 - US); **A62B 9/04** (2013.01 - EP); **A62B 18/025** (2013.01 - EP); **A62B 18/082** (2013.01 - EP); **A62B 18/10** (2013.01 - EP); **A62B 23/02** (2013.01 - EP US); **B01D 46/0028** (2013.01 - US); **B01D 46/0032** (2013.01 - US); **B01D 46/0036** (2013.01 - US); **B01D 53/047** (2013.01 - US); **A61L 2209/111** (2013.01 - US); **A61L 2209/12** (2013.01 - US); **A61L 2209/14** (2013.01 - US); **A61L 2209/22** (2013.01 - US); **A62B 9/006** (2013.01 - EP); **B01D 2253/102** (2013.01 - US); **B01D 2253/108** (2013.01 - US); **B01D 2256/12** (2013.01 - US); **B01D 2259/4533** (2013.01 - US); **B01D 2259/4541** (2013.01 - US); **B01D 2279/40** (2013.01 - US)

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

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
DE 102020111399 A1 20211028; CN 115768529 A 20230307; CN 115989064 A 20230418; EP 4142884 A1 20230308; EP 4142886 A1 20230308; US 2023166135 A1 20230601; WO 2021219151 A1 20211104; WO 2021219166 A1 20211104

DOCDB simple family (application)
DE 102020111399 A 20200427; CN 202080102438 A 20201201; CN 202180041269 A 20210427; DE 2020101015 W 20201201; DE 2021100379 W 20210427; EP 20828649 A 20201201; EP 21723854 A 20210427; US 202117997322 A 20210427