

Title (en)
BARRIER-DISCHARGE-TYPE MEDICAL MASK WITH FRAME (VARIANTS)

Title (de)
MEDIZINISCHE MASKE VOM BARRIEREENTLADUNGSTYP MIT RAHMEN (VARIANTEN)

Title (fr)
MASQUE MÉDICAL DE TYPE À BARRIÈRE ET À ÉVACUATION (ET VARIANTES)

Publication
EP 3632248 A4 20210317 (EN)

Application
EP 18810853 A 20180424

Priority
• RU 2017118581 A 20170530
• RU 2018000267 W 20180424

Abstract (en)
[origin: EP3632248A1] The claimed group of inventions relates to personal protective equipment, and specifically to masks intended primarily for use in the field of medicine. The technical result of the claimed group of inventions is that of improving working conditions for medical personnel for the entire duration of use of a mask, while providing complete protection against the penetration of infections and any liquid media into the respiratory organs both, for example, from an operation site, and into patients, as well as complete protection of a user against airborne droplet infection in public places. A barrier-discharge-type medical mask with a frame comprises a hollow frame which forms a mask cavity for the lower part of a face and is designed in the form of a channel containing inlets and outlets for the passage of air flows. The outer, transparent side of the frame is airtight, and the side adjacent to the surface of the face is made of an elastic, airtight fabric. The frame contains a shield covering part of the nose, forming a mask cavity for the middle section of the face.

IPC 8 full level
A41D 13/11 (2006.01); **A61B 90/40** (2016.01)

CPC (source: EP KR RU)
A41D 13/11 (2013.01 - RU); **A41D 13/1107** (2013.01 - KR); **A41D 13/1138** (2013.01 - EP); **A41D 13/1161** (2013.01 - EP KR);
A41D 2400/38 (2013.01 - KR)

Citation (search report)
[XA] JP 2005185381 A 20050714 - TAKENO HIDETAKA

Cited by
GR20200100219A; WO2023033705A1

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 3632248 A1 20200408; EP 3632248 A4 20210317; EP 3632248 B1 20240320; EP 3632248 C0 20240320; BR 112019025140 A2 20200616;
CA 3100189 A1 20181206; JP 2020523492 A 20200806; JP 2024088652 A 20240702; KR 20200028341 A 20200316;
RU 2017118581 A 20171124; RU 2652975 C2 20180503; WO 2018222081 A1 20181206

DOCDB simple family (application)
EP 18810853 A 20180424; BR 112019025140 A 20180424; CA 3100189 A 20180424; JP 2019566174 A 20180424; JP 2024040784 A 20240315;
KR 20197038505 A 20180424; RU 2017118581 A 20170530; RU 2018000267 W 20180424