

Title (en)

Filter cartridge, filtering face mask and method for manufacturing

Title (de)

Filterkartusche, filtrierende Gesichtsmaske und Herstellungsverfahren

Title (fr)

Cartouche de filtre, masque facial filtrant et procédé de fabrication

Publication

EP 2630993 B1 20181121 (EN)

Application

EP 12001227 A 20120224

Priority

EP 12001227 A 20120224

Abstract (en)

[origin: EP2630993A1] The invention relates to a filter cartridge (1) for an air filtering device, in particular for a filtering face mask (15), comprising a stiff cup-shaped casing (2) having a bottom (4) and a circumferential sidewall (5) extending at least section-wise parallel to one axis, a stiff discoidal lid (3) and a filter bed (14) of loose filter material compressed between the lid (3) and the casing (2), the lid (3) and the bottom (4) containing each at least one through-hole (6,7) so that air to be filtered passes through the filter bed (14), and at least one of the lid (3) and the bottom (4) being curved to at least one direction, whereby the lid (3) is at least essentially arranged within the casing (2), the outermost contour of the lid (3) close-fitting to the inner contour of the sidewall (5), and fixed thereto by a direct connection, particularly by a non-detachable connection. The invention further relates to a filtering face mask and a method for manufacturing a filter cartridge.

IPC 8 full level

A62B 19/00 (2006.01)

CPC (source: EP)

A62B 19/00 (2013.01)

Cited by

DE102014001940A1; DE102014001940B4; DE102014001937B3; DE102014001937C5; US9999546B2; US11166852B2; US11254482B2; US11812816B2

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 2630993 A1 20130828; EP 2630993 B1 20181121

DOCDB simple family (application)

EP 12001227 A 20120224