

Title (en)

A FILTER CARTRIDGE AND A METHOD OF MANUFACTURING A FILTER CARTRIDGE

Title (de)

FILTERPATRONE UND VERFAHREN ZUR HERSTELLUNG EINER FILTERPATRONE

Title (fr)

CARTOUCHE FILTRANTE ET PROCÉDÉ DE FABRICATION D'UNE CARTOUCHE FILTRANTE

Publication

EP 3612278 A1 20200226 (EN)

Application

EP 18721445 A 20180419

Priority

- GB 201706201 A 20170419
- GB 2018051025 W 20180419

Abstract (en)

[origin: GB2561586A] A respiratory mask filter cartridge through which the airway can be closed for a negative pressure fit-test by squeezing one end of the cartridge. The filter cartridge has first 12 and second 10 frame members pivotally connected together at the other end of the cartridge. A connecting port 16 on the first frame member defines a preferably circular breathing aperture through which air can pass to a mask. A double-sided gasket seal (30, figure 2) has a first seal portion 24 which can seal between the frame members, and a second seal portion 26 on the connecting port to form a seal between the filter cartridge and the mask. The seal portions are formed integrally with each other by means of a single over-moulding process. When the frame members are pinched together the airway is blocked. The second frame member may be an elongate lever with a cover 20 which blocks the breathing aperture. The seal members may be connected by an integral joining strip which extends through a channel 19 in the first frame member, and made from a thermoplastic elastomer rubber resin.

IPC 8 full level

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CPC (source: EP GB)

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