

Title (en)

Single-layered double side abrasive web and method of manufacture

Title (de)

Einlagiges, beidseitig abrasives Vlies und Verfahren zu dessen Herstellung

Title (fr)

Non-tissé monocouche abrasif double face et son procédé de fabrication

Publication

**EP 1126065 A3 20051019 (DE)**

Application

**EP 01102686 A 20010207**

Priority

DE 10005454 A 20000208

Abstract (en)

[origin: EP1126065A2] Single-layer non-woven fabric which is abrasive on both sides has a basis weight of 15-150 g/m<sup>2</sup> and contains a uniform mixture of: (A) micro-fibres with a diameter of 1-10 microns; and (B) macro-fibres with a diameter of 15-50 microns. An Independent claim is also included for a melt-blown process for the production of abrasive non-woven fabric by feeding a mixture of polymers with different properties and optional additives into an extruder, extruding the mixture at an outlet temperature of 180-300 degrees C, spinning the extrudate through dies and laying down the spun fibres on a collector.

IPC 1-7

**D04H 1/56**

IPC 8 full level

**D04H 1/42** (2012.01); **D04H 1/4291** (2012.01); **D04H 1/56** (2006.01); **D04H 1/724** (2012.01); **D04H 3/007** (2012.01); **D04H 3/16** (2006.01)

CPC (source: EP US)

**D04H 1/4291** (2013.01 - EP); **D04H 1/4334** (2013.01 - EP); **D04H 1/435** (2013.01 - EP); **D04H 1/43835** (2020.05 - EP US); **D04H 1/43838** (2020.05 - EP US); **D04H 1/724** (2013.01 - EP); **D04H 3/007** (2013.01 - EP); **D04H 3/16** (2013.01 - EP)

Citation (search report)

- [X] WO 9721865 A1 19970619 - DEXTER CORP [US]
- [X] DE 2438918 A1 19750227 - GRACE W R & CO
- [X] PATENT ABSTRACTS OF JAPAN vol. 1998, no. 04 31 March 1998 (1998-03-31) & JP H09324354 A 19971216 - KINSEI SEISHI KK

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CN103552326A; CN102797113A; CN103696130A; EP1602359A1; CN114318675A; CN110234804A; EP3575467A4; US11124907B2

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