

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 A2 20010822 (DE)**

Application  
**EP 01102686 A 20010207**

Priority  
DE 10005454 A 20000208

Abstract (en)  
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.

Abstract (de)  
Beschrieben wird ein einlagiges, beidseitig abrasives Vlies, das dadurch gekennzeichnet ist, daß es ein gleichförmiges Gemisch aus Mikrofasern eines Faserdurchmessers von 1 bis 10 µm und Makrofasern eines Faserdurchmessers von 15 bis 50 µm aufweist und ein Flächengewicht von 15 und 150 g/m<sup>2</sup> besitzt, sowie ein Verfahren zur Herstellung desselben. <IMAGE>

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 (applicant)  
• WO 9839384 A1 19980911 - EXXON CHEMICAL PATENTS INC [US]  
• "Properties of Polypropylene-Polyethylene-Blends", POLYMER ENGINEERING AND SCIENCE, vol. 15, no. 2, February 1975 (1975-02-01), pages 117FF

Cited by  
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