

Title (en)
Perforated non-woven fabric and manufacturing method

Title (de)
Perforierter Vliesstoff und Verfahren zur Herstellung

Title (fr)
Non tissé perforé et methode de fabrication

Publication
EP 1873289 A1 20080102 (EN)

Application
EP 06012939 A 20060623

Priority
EP 06012939 A 20060623

Abstract (en)
A perforated non-woven fabric, constituted by natural and/or synthetic fibers, such as cotton and/or viscose and/or Lyocell, containing thermoplastic fibers. The non-woven fabric is treated so as to make it hydrophobic and subsequently perforated with a roller provided with hot needles.

IPC 8 full level
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CPC (source: EP US)
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Citation (search report)

- [A] EP 1031653 A1 20000830 - ITALPLASTIC IND S P A [IT]
- [A] EP 1048419 A1 20001102 - BURCKHARDT CHRISTOPH AG [CH]
- [A] JP H0931824 A 19970204 - FUJIMORI KOGYO CO
- [A] US 4758297 A 19880719 - CALLIGARICH ELIO [IT]
- [A] US 4886632 A 19891212 - VAN ITEN THOMAS P [US], et al
- [A] WO 2004007158 A1 20040122 - COROVIN GMBH [DE], et al
- [A] WO 2004016424 A1 20040226 - NORDICO MARKET DEV INC [US]

Cited by
CN103757822A; CN112011893A; US2015099086A1; US9744083B2; WO2022023318A3; WO2021208009A1

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