

Title (en)

THERMALLY BONDED FABRICS AND METHOD OF MAKING SAME

Title (de)

THERMISCH VERBUNDENE FASERVLIESTOFFE UND ZUGEHÖRIGE HERSTELLUNGSVERFAHREN

Title (fr)

TISSUS LIES THERMIQUEMENT ET PROCEDE DE FABRICATION DE CEUX-CI

Publication

EP 1354091 A2 20031022 (EN)

Application

EP 01990094 A 20011211

Priority

- US 0147723 W 20011211
- US 25474700 P 20001211

Abstract (en)

[origin: WO0248440A2] A method for producing a nonwoven fabric comprises passing a fiber web through a pair of rollers to obtain a thermally bonded fabric with a high percentage of bond areas. The high percentage of bond areas is formed by an engraved pattern on at least one of the rollers. The engraved pattern has a high percentage of bond point areas and wide bond point angles. The nonwoven fabric has increased tensile strength, elongation, abrasion resistance, flexural rigidity, and/or softness.

IPC 1-7

D04H 1/54; **D04H 3/14**

IPC 8 full level

D04H 1/54 (2012.01); **D04H 3/16** (2006.01)

CPC (source: EP KR US)

D04H 1/4291 (2013.01 - KR); **D04H 1/54** (2013.01 - KR); **D04H 1/544** (2013.01 - EP US); **D04H 3/14** (2013.01 - EP US)

Cited by

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WO 0248440 A2 20020620; **WO 0248440 A3 20030220**; **WO 0248440 A8 20031127**; AT E316591 T1 20060215; AU 2896602 A 20020624; BR 0116061 A 20040302; CN 100441766 C 20081210; CN 1479819 A 20040303; DE 60116897 D1 20060413; DE 60116897 T2 20060928; EP 1354091 A2 20031022; EP 1354091 B1 20060125; HU P0400649 A2 20040728; JP 2004515664 A 20040527; KR 20030060114 A 20030712; PL 361854 A1 20041004; TW I244520 B 20051201; US 2002144384 A1 20021010

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