Title (en)
Method and apparatus for perforating non-woven webs

Title (de)
Verfharen sowie Vorrichtung zum Perforieren einer Vliesstoffbahn

Title (fr)
Procédé et dispositif de perforation d'une nappe non tissée

Publication
EP 1172188 B1 20021002 (FR)

Application
EP 01116915 A 20010711

Priority
- FR 0009114 A 20000712
- FR 0009106 A 20000712

Abstract (en)
[origin: EP1172188A1] The procedure consists of passing the sheet material (N) between a perforated cylinder (2) and a roller (4) with spring-loaded perforating fingers (9). The cylinder's perforations are formed by a series of detachable inserts (8) with holes in their flat outer surfaces (S) having sharp edges (8g), while the roller's fingers are designed to rotate as their interact with the perforations, shearing the fibres of the sheet material.

IPC 1-7
B26F 1/02; B26F 1/08; B26D 7/26; B26F 1/10; B26F 1/14; B26F 1/16

IPC 8 full level
B26D 7/26 (2006.01); **B26F 1/02** (2006.01); **B26F 1/08** (2006.01); **B26F 1/10** (2006.01); **B26F 1/14** (2006.01); **B26F 1/16** (2006.01)

CPC (source: EP US)
B26D 7/2614 (2013.01 - EP US); **B26F 1/02** (2013.01 - EP US); **B26F 1/08** (2013.01 - EP US); **B26F 1/10** (2013.01 - EP US); **B26F 1/14** (2013.01 - EP US); **B26F 1/16** (2013.01 - EP US); Y10T 83/0481 (2015.04 - EP US); Y10T 83/0515 (2015.04 - EP US); Y10T 83/4812 (2015.04 - EP US); Y10T 83/4836 (2015.04 - EP US); Y10T 83/4844 (2015.04 - EP US); Y10T 83/9372 (2015.04 - EP US); Y10T 83/9387 (2015.04 - EP US); Y10T 83/9389 (2015.04 - EP US); Y10T 83/9408 (2015.04 - EP US); Y10T 83/9425 (2015.04 - EP US); Y10T 83/944 (2015.04 - EP US)

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CN105014743A; CN102825440A; EP3670122A1; ITFE20100008A1; CN111360699A; US7858544B2; US8093163B2; US8410007B2; US8510922B2

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DOCDB simple family (publication)
EP 1172188 A1 20020116; **EP 1172188 B1 20021002**; AT E225239 T1 20021015; DE 60100033 D1 20021107; DE 60100033 T2 20030710; DK 1172188 T3 20021028; ES 2184723 T3 20030416; PT 1172188 E 20030228; US 2002088321 A1 20020711; US 2006201305 A1 20060914; US 7080584 B2 20060725

DOCDB simple family (application)
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