

Title (en)
CHANNEL PLATE FOR AN OPEN-ENDED ROTOR SPINNING DEVICE

Title (de)
KANALPLATTE FÜR EINE OFFENEND-ROTORSPINNVORRICHTUNG

Title (fr)
PLAQUE A RAINURE-GUIDE POUR UN DISPOSITIF DE FILATURE A ROTOR A BOUT LIBERE

Publication
EP 1660708 A1 20060531 (DE)

Application
EP 04739736 A 20040609

Priority
• EP 2004006228 W 20040609
• DE 10339875 A 20030829

Abstract (en)
[origin: DE10339875A1] An open-ended textile spinning rotor has a cover over a reduced-pressure chamber with a fibre outlet to a fibre jet to a concave transitional surface. A 2 mm gap remains between the concave surface and cap. No more than half the outlet (31) is presented to the cylindrical mantle (50), the other half being is over the concave transitional surface (60). The outlet (14) rim (33) gap (a) furthest from the end face (42) is at least 0.5 - 3 mm greater than the gap (b) to the neighboring wall zone (32).

IPC 1-7
D01H 4/38

IPC 8 full level
D01H 4/08 (2006.01); **D01H 4/38** (2006.01)

CPC (source: EP US)
D01H 4/08 (2013.01 - EP US); **D01H 4/38** (2013.01 - EP US)

Citation (search report)
See references of WO 2005031050A1

Designated contracting state (EPC)
CH CZ DE IT LI TR

DOCDB simple family (publication)
DE 10339875 A1 20050324; BR PI0413806 A 20061017; BR PI0413806 B1 20140923; CN 100469959 C 20090318; CN 1846021 A 20061011; DE 502004011586 D1 20101007; EP 1660708 A1 20060531; EP 1660708 B1 20100825; US 2006225401 A1 20061012; US 7181901 B2 20070227; WO 2005031050 A1 20050407

DOCDB simple family (application)
DE 10339875 A 20030829; BR PI0413806 A 20040609; CN 200480024851 A 20040609; DE 502004011586 T 20040609; EP 04739736 A 20040609; EP 2004006228 W 20040609; US 56799404 A 20040609