

Title (en)

Cutting cylinder having a magnet for holding a blade and method of processing paper with such a cylinder

Title (de)

Messerwalze mit einem Magnet zur Befestigung eines Messers sowie Verfahren zur Papierbearbeitung mit einer solchen Walze

Title (fr)

Cylindre de coupe ayant un aimant pour retenir une lame ainsi que procédé de travail de papier par un tel cylindre

Publication

EP 1245355 A3 20040609 (DE)

Application

EP 02005814 A 20020314

Priority

DE 10115595 A 20010329

Abstract (en)

[origin: EP1245355A2] The roller (8) with a cutting blade to cut especially paper, for the production of envelope blanks and the like, has a roller surface (12) for a blade and especially a foil blade. Suction openings generate an underpressure at the roller surface, with longitudinal and radial drillings. At least one permanent magnet (23) holds the blade, with at least one suction opening (14') for a suction air flow, and at least one radial drilling (22') with an air flow connection. The magnet has a passage opening (24) to the suction opening. The suction openings are in a symmetrical array at the magnet, or they are in at least a partially asymmetrical layout.

IPC 1-7

B26D 7/26; **B26D 7/18**

IPC 8 full level

B26D 7/18 (2006.01); **B26D 7/26** (2006.01)

CPC (source: EP)

B26D 7/1863 (2013.01); **B26D 7/2614** (2013.01); **B26D 2007/2607** (2013.01)

Citation (search report)

- [A] WO 9519862 A1 19950727 - BEST CUTTING DIE CO [US]
- [DA] EP 0312422 A1 19890419 - BULAND JEAN JACQUES
- [A] EP 0608152 A1 19940727 - MAGNAFLEX SYSTEMS LIMITED [GB]
- [A] US 5938579 A 19990817 - CAVAZOS ARNOLD B [US]

Cited by

EP1950140A3; DE202007018569U1; US8007425B2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

EP 1245355 A2 20021002; **EP 1245355 A3 20040609**; DE 10115595 A1 20021002

DOCDB simple family (application)

EP 02005814 A 20020314; DE 10115595 A 20010329