

Title (en)

Method and device for embossing transverse grooves on both sides of a web

Title (de)

Verfahren und Vorrichtung zur beidseitigen Querrillung von Endlosbahnen

Title (fr)

Procédé et dispositif pour la formation de rainures transversales sur les deux faces d'un film

Publication

EP 1447211 A3 20061025 (DE)

Application

EP 04000476 A 20040113

Priority

DE 10306210 A 20030213

Abstract (en)

[origin: EP1447211A2] The corrugation process imprints transverse corrugations in endless webs of card, particularly multilaminar corrugated card with cover papers on both sides. Both sides of the foldable material are deformed by corrugating rolls (1, 2) carrying corrugating tools (11, 12, 21, 22). The spacing of two grooves on opposite sides corresponds to the fold length of the material.

IPC 8 full level

B31F 1/07 (2006.01); **B31F 1/00** (2006.01); **B31F 1/28** (2006.01); **B65H 45/20** (2006.01)

CPC (source: EP US)

B31F 1/0012 (2013.01 - EP US); **B31F 1/2863** (2013.01 - EP US); **B65H 45/20** (2013.01 - EP US); **B65H 2701/11231** (2013.01 - EP US)

Citation (search report)

- [XA] US 3647201 A 19720307 - KEMP JACK VOYNA LESLIE
- [XA] DE 636666 C 19361014 - AUGUST KOENIG DR ING

Cited by

DE102011116294A1; DE102007048657A1; DE102007060613A1; DE102007060581A1; DE102007053806A1; EP2070721A3; CH705358A1; EP2583816A1; EP2047973A2; EP2070721A2; EP2058115A2; EP2075115A1; DE102007044217A1; EP2036712A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

Designated extension state (EPC)

AL LT LV MK

DOCDB simple family (publication)

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DOCDB simple family (application)

EP 04000476 A 20040113; AT 04000476 T 20040113; CA 2457383 A 20040212; DE 10306210 A 20030213; DE 502004007965 T 20040113; DK 04000476 T 20040113; US 77692004 A 20040210