

Title (en)

WASTE EJECTION UNIT WITH EASY TOOL CHANGING FOR A PACKAGING PRODUCTION MACHINE

Title (de)

ABFALLAUSWURFEINHEIT MIT ERLEICHTERTEM WERKZEUGWECHSEL FÜR EINE MASCHINE ZUR HERSTELLUNG VON VERPACKUNGEN

Title (fr)

UNITÉ D'ÉJECTION DES DÉCHETS À RÉGLAGE D'OUTIL FACILITÉ DANS UNE MACHINE DE PRODUCTION D'EMBALLAGES

Publication

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Application

EP 10721698 A 20100512

Priority

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- EP 10721698 A 20100512

Abstract (en)

[origin: WO2010130436A1] The invention relates to a waste ejection unit in a machine (1) for producing packaging, positioned downstream from a cutting unit (3), including a frame (16) and two mutually engaging rotary tools (17, 18), a first tool (17) being provided with waste ejection needles projecting radially outward from the outer surface. The two tools (17, 18) are mounted in a removable cassette (22), including a frame (23) provided with bearings, supporting said two tools (17, 18), and capable of being inserted, attached and removed onto/from the frame (16).

IPC 8 full level

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CPC (source: EP KR US)

B21B 31/103 (2013.01 - KR US); **B26D 7/1836** (2013.01 - EP KR US); **B31B 2160/102** (2017.07 - KR)

Citation (opposition)

Opponent : Heidelberg Druckmaschinen AG (DE)

- JP S62246412 A 19871027 - SAKAI KOHAN KOGYO KK
- US 2006223687 A1 20061005 - HEDIN KENNETH [SE]
- OFFENKUNDIGE VORBENUTZUNG BHS CUT LINE AUTO SET PRO

Cited by

US10642551B2; US11807480B2; US11485101B2; US11911992B2; US11449290B2; US11520544B2; US11907595B2

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