

Title (en)
Creasing-folding machine for cardboard sheets

Title (de)
Rill- und Falzmaschine für Kartonplatten

Title (fr)
Machine pour rainurer et plier des feuilles en carton

Publication
EP 1380407 A2 20040114 (EN)

Application
EP 03005231 A 20030310

Priority
IT TO20020131 U 20020709

Abstract (en)
A creasing-folding machine comprises, in sequenced arrangement, a sheet-feeding unit (12), sheet-feeding driven rollers (20, 22), a first creasing unit (30) and a second creasing unit (130) similar to the first unit but turned upside down with respect to it, and a transfer belt (42) for feeding the sheet to a subsequent folding station. Each creasing unit comprises a vertically movable, transverse shaping bar (32), connected to driving means, and an abutment bar (38), opposite to the first bar (32) and grooved complementarily to it.

IPC 1-7
B31B 1/25

IPC 8 full level
B31B 1/25 (2006.01); **B31B 1/26** (2006.01); **B31B 50/25** (2017.01); **B31F 1/00** (2006.01)

CPC (source: EP US)
B31B 50/44 (2017.07 - EP US); **B31F 1/0012** (2013.01 - EP); **B31F 1/08** (2013.01 - EP); **B31B 50/252** (2017.07 - EP); **B31B 50/26** (2017.07 - EP)

Cited by
CN102744912A; ITTO20090676A1; CN105936136A; ITUB20152764A1; CN104999699A; EP1832413A1; FR2898072A1; CN113733657A; WO2011027204A1; WO2017021886A1

Designated contracting state (EPC)
DE ES FR GB IT

DOCDB simple family (publication)
EP 1380407 A2 20040114; **EP 1380407 A3 20061004**; **EP 1380407 B1 20080102**; DE 60318360 D1 20080214; DE 60318360 T2 20090108; IT TO20020131 U1 20040109; IT TO20020131 V0 20020709

DOCDB simple family (application)
EP 03005231 A 20030310; DE 60318360 T 20030310; IT TO20020131 U 20020709