

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 A3 20061004 (EN)**

Application  
**EP 03005231 A 20030310**

Priority  
IT TO20020131 U 20020709

Abstract (en)  
[origin: EP1380407A2] 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.

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**B31B 1/25** (2006.01); **B31B 1/26** (2006.01); **B31B 50/25** (2017.01); **B31F 1/00** (2006.01)

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**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)

Citation (search report)

- [A] US 3866523 A 19750218 - GESCHWENDER ROBERT C
- [A] DE 9204944 U1 19920617
- [A] GB 2068843 A 19810819 - OLYMPIC VARNISH CO LTD
- [A] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 01 31 January 2000 (2000-01-31)

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

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