

Title (en)

Apparatus for scoring continuously moving flat blanks

Title (de)

Vorrichtung zum Rillen kontinuierlich geförderter, längs Rilllinien zu faltender flacher Werkstücke

Title (fr)

Appareil pour rayer en continue des flans plats

Publication

EP 0752308 A3 19971119 (DE)

Application

EP 96108710 A 19960531

Priority

DE 19524328 A 19950704

Abstract (en)

[origin: EP0752308A2] The scoring tools are fixed to parallel shafts (19,23;20,24). The length of the grooves or pre-fold lines is adjustable by a pack of disc or plate shaped segments close together and supporting the scoring tools. Each shaft holds a cylindrical shell shaped segment (4,4') forming a second scoring tool. The one segment (4) is helical with a ridge (16), and the other segment (4') is helical with a groove (12), interlocking with it. Each of the two cylinder-shell shaped segments of the second scoring tool is joined on an axial end by a radial ridge (17,17') to a hub fixed to the shafts.

IPC 1-7

B31B 1/25; **B31B 29/25**

IPC 8 full level

B31C 3/02 (2006.01); **B26D 7/26** (2006.01); **B31B 50/22** (2017.01); **B31B 50/25** (2017.01); **B31F 1/08** (2006.01); **B65H 45/30** (2006.01)

CPC (source: EP KR US)

B31B 50/00 (2017.07 - EP US); **B31B 50/254** (2017.07 - KR); **B31B 50/256** (2017.07 - EP KR US); **B31B 50/254** (2017.07 - EP US); **Y10T 83/0385** (2015.04 - EP US); **Y10T 83/4827** (2015.04 - EP US)

Citation (search report)

- [DA] DE 1964069 U 19670713 - WINDMOELLER & HOELSCHER [DE]
- [A] US 1525239 A 19250203 - HURD NATHANIEL L
- [A] GB 284259 A 19280906 - SMITHE MACHINE CO INC F L

Designated contracting state (EPC)

AT DE ES FR GB IT

DOCDB simple family (publication)

EP 0752308 A2 19970108; **EP 0752308 A3 19971119**; **EP 0752308 B1 20020814**; BR 9602957 A 19980428; CN 1139617 A 19970108; CZ 152996 A3 19970115; DE 19524328 A1 19970109; DE 19524328 C2 19990819; DE 59609555 D1 20020919; JP H0924562 A 19970128; KR 970005613 A 19970219; US 5685817 A 19971111

DOCDB simple family (application)

EP 96108710 A 19960531; BR 9602957 A 19960703; CN 96110118 A 19960704; CZ 152996 A 19960527; DE 19524328 A 19950704; DE 59609555 T 19960531; JP 17447896 A 19960704; KR 19960027076 A 19960704; US 66595596 A 19960619