

Title (en)
CREASE INSERTING DEVICE

Title (de)
FALTENEINSETZVORRICHTUNG

Title (fr)
DISPOSITIF DE FORMATION DE LIGNE DE PLI ET DE PLIAGE

Publication
EP 2845829 A4 20160420 (EN)

Application
EP 12875778 A 20120501

Priority
JP 2012061537 W 20120501

Abstract (en)
[origin: US2014357463A1] A creasing and folding machine includes a creasing mechanism (1) for forming creases on a sheet (S); a folding mechanism (2) for folding the sheet (S) along the creases; and a controller (3). A creasing section (45) comprises first and second creasing units (4,5). The first creasing unit (4) comprises a first convex block (40); and a first concave block (41) opposite to a second surface (S2) of the sheet. The first convex and concave blocks (40, 41) are moved toward each other to form a first crease (400). The second creasing unit (5) comprises a second concave block (51); and a second convex block (50) opposite to the second surface (S2) of the sheet. The second recess and convex blocks (51, 50) are moved toward each other to form a second crease (500).

IPC 8 full level
B65H 45/30 (2006.01); **B65H 45/18** (2006.01)

CPC (source: EP US)
B31F 1/0012 (2013.01 - EP US); **B31F 1/08** (2013.01 - EP US); **B42D 15/008** (2013.01 - EP US); **B65H 45/04** (2013.01 - US); **B65H 45/18** (2013.01 - EP US); **B65H 45/30** (2013.01 - EP US); **B65H 2701/11232** (2013.01 - EP US)

Citation (search report)
• [AD] EP 1425239 B1 20061102 - MORGANA SYSTEMS LTD [GB]
• [A] DE 10118133 A1 20021024 - WEINMANN KARLHEINZ [DE]
• See references of WO 2013164877A1

Cited by
ITUB20161084A1; US10919333B2; WO2017145082A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
US 2014357463 A1 20141204; CN 103889871 A 20140625; CN 103889871 B 20160921; DK 2845829 T3 20170911; EP 2845829 A1 20150311; EP 2845829 A4 20160420; EP 2845829 B1 20170628; JP 5872029 B2 20160301; JP WO2013164877 A1 20151224; WO 2013164877 A1 20131107

DOCDB simple family (application)
US 201214344262 A 20120501; CN 201280050506 A 20120501; DK 12875778 T 20120501; EP 12875778 A 20120501; JP 2012061537 W 20120501; JP 2014513316 A 20120501