

Title (en)

MACHINE FOR PROCESSING SHEETS WITH CUTOUTS OR FOLDS TRANSVERSE TO THEIR FORWARD MOVING DIRECTION

Title (de)

MASCHINE ZUR VERARBEITUNG VON FOLIEN MIT QUER ZU IHRER VORWÄRTSBEWEGUNGSRICHTUNG VERLAUFENDEN AUSSCHNITTEN ODER FALTEN

Title (fr)

MACHINE DE TRAITEMENT DE FEUILLES AVEC DES DECOUPES OU DES PLIS TRANSVERSAUX A LEUR DIRECTION D'AVANCEMENT.

Publication

EP 1534501 B1 20070425 (FR)

Application

EP 03757117 A 20030606

Priority

- FR 0301700 W 20030606
- FR 0207032 A 20020607

Abstract (en)

[origin: US2005145083A1] The invention concerns a machine comprising driving means (14, 16, 18) for driving sheets in a drive direction (F) through a processing zone (T), and processing means including a tool (53, 53') and a counter tool (56), respectively, borne by a first and by a second transverse rotary support shaft (52, 54). Said processing means are designed to produce in the sheets cutouts and folds transverse to their drive direction. The counter tool has a substantially cylindrical surface having at least one working strip (57) which extends parallel to the axis of the second support shaft and is radially offset relative to the portions (58) of said surface which are adjacent to said strip, the latter being designed to cooperate with the tool to form a cutout or a fold in a sheet.

IPC 8 full level

B26D 7/20 (2006.01); **B31B 50/20** (2017.01)

CPC (source: EP US)

B26D 7/20 (2013.01 - EP US); **B26D 2007/202** (2013.01 - EP US); **B31B 50/146** (2017.07 - EP US); **Y10T 83/4795** (2015.04 - EP US); **Y10T 83/4838** (2015.04 - EP US); **Y10T 83/533** (2015.04 - EP US); **Y10T 83/768** (2015.04 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

US 2005145083 A1 20050707; **US 8176821 B2 20120515**; AT E360524 T1 20070515; AU 2003258787 A1 20031222; CA 2487810 A1 20031218; CN 100460197 C 20090211; CN 1675055 A 20050928; DE 60313466 D1 20070606; DE 60313466 T2 20080103; EP 1534501 A1 20050601; EP 1534501 B1 20070425; ES 2285175 T3 20071116; FR 2840558 A1 20031212; FR 2840558 B1 20041001; WO 03103937 A1 20031218

DOCDB simple family (application)

US 51703705 A 20050131; AT 03757117 T 20030606; AU 2003258787 A 20030606; CA 2487810 A 20030606; CN 03818809 A 20030606; DE 60313466 T 20030606; EP 03757117 A 20030606; ES 03757117 T 20030606; FR 0207032 A 20020607; FR 0301700 W 20030606