

Title (en)
Folding box gluing machine

Title (de)
Falzschachtelklebemaschine

Title (fr)
Machine de collage de boîtes pliantes

Publication
EP 2422969 A1 20120229 (DE)

Application
EP 11172799 A 20110706

Priority
• DE 102010036014 A 20100831
• DE 102010036012 A 20100831
• DE 102011012807 A 20110302

Abstract (en)
The gluer has a control devices designed as an optical Braille embossing control device (19) that evaluates Braille embossments with respect to position, height and volume during production of a folding box. A Braille embossing device (18) is arranged behind the control device, and provided with male and female dies. The control device is connected with a controller (32) that controls distance between and/or a position of the dies relative to each other and/or the position of the dies relative to the box based on signals supplied by the control device. An independent claim is also included for a method for controlling individual processing stations inside a folding box gluer during manufacturing of folding boxes.

Abstract (de)
Die Erfindung betrifft eine Faltschachtelklebemaschine mit einer Brailleprägekontrollvorrichtung, die die Brailleprägungen mindestens hinsichtlich Position, Höhe und Volumen auswertet. Die Daten werden an eine Steuervorrichtung weitergeleitet, die den Abstand zwischen Patrizie und Matrize und / oder die Position von Patrizie und Matrize relativ zur Faltschachtel aufgrund der gelieferten Signale steuert.

IPC 8 full level
B31B 50/00 (2017.01); **B31B 50/04** (2017.01); **B31B 50/62** (2017.01); **B31B 50/88** (2017.01); **B41J 25/308** (2006.01); **G06K 7/10** (2006.01); **G06K 7/14** (2006.01)

CPC (source: EP US)
B41J 3/32 (2013.01 - EP US); **B31B 50/006** (2017.07 - EP US); **B31B 50/042** (2017.07 - EP US); **B31B 50/624** (2017.07 - EP US); **B31B 50/626** (2017.07 - EP US); **B31B 50/88** (2017.07 - EP US); **B31B 2100/00** (2017.07 - EP US); **B31B 2100/0022** (2017.07 - EP US); **B31B 2110/35** (2017.07 - EP US)

Citation (applicant)
• DE 102004022344 A1 20051201 - HEIDELBERGER DRUCKMASCH AG [DE]
• DE 102005050040 A1 20060518 - HEIDELBERGER DRUCKMASCH AG [DE]
• DE 102011012807 A1 20120301 - HEIDELBERGER DRUCKMASCH AG [DE]
• EP 2039513 A1 20090325 - BOBST SA [CH]
• WO 2011009566 A1 20110127 - BOBST SA [CH], et al
• EP 1788510 A1 20070523 - REITER MATHIAS [DE]

Citation (search report)
• [Y] EP 2058115 A2 20090513 - HEIDELBERGER DRUCKMASCH AG [DE]
• [Y] EP 1788510 A1 20070523 - REITER MATHIAS [DE]
• [Y] EP 2161137 A1 20100310 - XEROX CORP [US]

Cited by
DE102014013166A1; DE102019105217A1; EP2574465A1; CN109414953A; AU2017262424B2; EP3188995A4; US11731383B2; WO2017194199A1; US10137715B2; US10144236B2; US10466687B2

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2422969 A1 20120229; EP 2422969 B1 20130911; US 2012053031 A1 20120301; US 8926485 B2 20150106

DOCDB simple family (application)
EP 11172799 A 20110706; US 201113222095 A 20110831