

Title (en)

System for manufacturing books on demand and method for the management and the printing of these books

Title (de)

Fertigungssystem von Büchern auf Anfrage und Verfahren zum Management und Drucken dieser Bücher

Title (fr)

Système de fabrication de livres sur demande et procédé de management et d'impression de ces livres

Publication

EP 2269823 A1 20110105 (EN)

Application

EP 10167096 A 20100623

Priority

IT TO20090477 A 20090623

Abstract (en)

A system (22) for manufacturing books on demand (23), with formation of a book block (36) having basic sheets (29) and pre-formation of covers (26) comprises a binding machine (37) and manufactures books of varying format, with different orientations of the basic sheets belonging to the principal formats of books. The basic sheets of each book are printed on a longitudinal section of paper strips (281, 28r) together with a book code (121), and sheet codes (122) for the basic sheets, while the cover (26) and a cover code (123) are printed on a respective cover sheet (32). Two input and forming equipments (331, 33r) respond to the book codes and the sheet codes for separating the basic sheets from the sheet strips and a cover pre-forming equipment (39) responds to the cover code for pre-forming the covers (26) from the cover sheets. The binding machine (37) bounds the book block and the cover in dependence of agreement of data from the book code and the cover code, while finishing equipments (41) trim the book (23) according to finishing data.

IPC 8 full level

B41F 17/02 (2006.01); **B42C 1/10** (2006.01); **B42C 19/00** (2006.01); **B42C 19/08** (2006.01)

CPC (source: EP)

B41F 17/02 (2013.01); **B42C 19/00** (2013.01); **B42C 19/08** (2013.01); **B42P 2261/04** (2013.01)

Citation (applicant)

- WO 0185466 A2 20011115 - EUROTECNICA ENGINEERING S R L [IT], et al
- EP 1741653 A1 20070110 - TECNAU SRL [IT]

Citation (search report)

- [X] US 2002061238 A1 20020523 - MARSH JEFFREY D [US]
- [X] WO 03049953 A2 20030619 - MARSH JEFFREY D [US]
- [X] EP 2062738 A1 20090527 - MUELLER MARTINI HOLDING AG [CH]
- [X] US 2006028662 A1 20060209 - DOBROVOLSKY SASHA [US]
- [X] US 2005098935 A1 20050512 - SITTINGER MICHAEL [US], et al

Cited by

IT202100016832A1; IT202100016838A1; IT202100016826A1; WO2023274968A1; ITUB20152235A1; US2012275881A1; US8870174B2; EP2384900A1; JP2020533215A; EP3681728A4; ITUB20152828A1; CN107848319A; JP2018535112A; EA034981B1; IT202200005018A1; US10800198B2; US11787218B1; WO2017021788A1; WO2023175641A1; US11390105B2

Designated contracting state (EPC)

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Designated extension state (EPC)

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