

Title (en)

A SHEET DISPENSING SYSTEM AND A METHOD FOR SUPPLYING AND DISPENSING INDIVIDUAL SHEETS

Title (de)

BLATTABGABESYSTEM UND VERFAHREN ZUR ZUFÜHRUNG UND AUSGABE VON EINZELBLÄTTERN

Title (fr)

SYSTÈME DE DISTRIBUTION DE FEUILLES ET PROCÉDÉ PERMETTANT DE FOURNIR ET DE DISTRIBUER DES FEUILLES INDIVIDUELLES

Publication

EP 3351493 A1 20180725 (EN)

Application

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Priority

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Abstract (en)

The present invention relates to a method of dispensing individual sheets and a sheet dispensing system. The sheet dispensing system (10) comprises a frame assembly (14), a reel loading station (20), a sheet dispenser station (40) and a delivery station (70) connected to the sheet dispenser station (40). The reel loading station (40) includes a supply reel (22) of a cellulose fiber based web and a support for supporting the supply reel. The sheet dispenser station includes a feeding mechanism (50) serving to receive the cellulose fiber based web from the reel loading station (20) and a cutting mechanism (60) having a reciprocating cutter assembly for cutting the cellulose fiber based web into individual sheets (28). The delivery station (70) includes a delivery table (71) connected to the sheet dispenser station (40). The reel loading station (20) or the sheet dispenser station (40) or delivery station (70) further comprises a smoothing mechanism (100) to compensate for the curvature of the cellulose fiber based web and provide non-curved individual sheets (28).

IPC 8 full level

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CPC (source: EP US)

B65H 23/34 (2013.01 - EP US); **B65H 35/04** (2013.01 - EP US); **B65H 2301/51256** (2013.01 - EP US); **B65H 2511/14** (2013.01 - EP); **B65H 2701/176** (2013.01 - US)

Citation (applicant)

- EP 2789559 A1 20141015 - PAL CUT AS [DK]
- US 4941374 A 19900717 - FOCKE HEINZ [DE]
- WO 2004031058 A1 20040415 - MAJGAARD INVEST APS [DK], et al

Citation (search report)

- [XYI] JP 2003048348 A 20030218 - KONISHIROKU PHOTO IND
- [YD] US 4941374 A 19900717 - FOCKE HEINZ [DE]
- [Y] JP S5675337 A 19810622 - RICOH KK
- [Y] DE 2044725 A1 19710311 - XEROX CORP
- [Y] EP 0341971 A2 19891115 - KOBAYASHI SEISAKUSHO [JP]
- [A] JP S6164655 A 19860403 - HITACHI LTD

Cited by

WO2020001725A1

Designated contracting state (EPC)

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DOCDB simple family (application)

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