Title (en)

Wedge for splitting up book blocks in a bookbinding machine

Title (de)

Keil zum Teilen von Buchblocks in einer Buchbindemaschine

Title (fr)

Cale pour séparer des blocs de livres dans une machine à relier

Publication

EP 1681176 A3 20101222 (DE)

Application

EP 06000361 A 20060110

Priority

DE 202005000383 U 20050112

Abstract (en)

[origin: US2006153665A1] A device for centrally splitting book blocks (1) in bookbinding machines, wherein the book blocks (1) being transported forward of a conveyor (2) are split by being pushed against a splitting element (3). In order to also ensure the functionally reliable splitting of book blocks (1) that consist of thick cardboard sheets or panels, a blunt wedge (10) in the form of a gable roof acts upon the front edge cut (1 a) of the book block upstream of the splitting element (3) and produces a gap that begins in the leading book block edge and extends into the head edge cut or the foot edge cut (1 b) and into the front edge cut (1 a). The splitting tool (4) penetrates into the book block (1) through the gap. In one preferred embodiment, a spring-loaded, rotatable wedge roller (10) is used that has a rounded point and a wedge angle (a) of 130°.

IPC 8 full level

B42C 11/04 (2006.01); **B42C 19/08** (2006.01)

CPC (source: EP US)

B42C 11/04 (2013.01 - EP US); **B42C 19/08** (2013.01 - EP US); **B65H 5/302** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

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

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

DE 202005000383 U1 20050317; EP 1681176 A2 20060719; EP 1681176 A3 20101222; US 2006153665 A1 20060713

DOCDB simple family (application)

DE 202005000383 U 20050112; EP 06000361 A 20060110; US 32297805 A 20051230