

Title (en)
CLAMPING TOOL

Title (de)
SPANNWERKZEUG

Title (fr)
OUTIL DE SERRAGE

Publication
EP 4137329 A4 20240424 (EN)

Application
EP 21789501 A 20210402

Priority
• JP 2021014360 W 20210402
• JP 2020073108 A 20200415

Abstract (en)
[origin: EP4137329A1] To provide a binder capable of smoothly adding or removing paper bound in a booklet shape regardless of the material of a cover. A binder 1 forming a booklet by bundling end portions of a plurality of sheets of paper such that paper addition or removal is possible includes a spread-shaped cover 4 configured for sandwiching the bundle of a plurality of sheets of paper, a long cover member 2 having an opening portion along a spine portion 40 of the cover 4, and a plurality of clips 3 arranged so as to be configured for moving forward and backward in the opening portion of the cover member 2 and having a pair of holding pieces 31 and 32 and claw portions 3A respectively extending inward from tips of the holding pieces 31 and 32. Through holes 41 and 42 through which the claw portions 3A of the plurality of clips 3 are respectively inserted are formed in each of a front cover member 4A and a back cover member 4B of the cover 4.

IPC 8 full level
B42F 11/02 (2006.01); **B42F 1/02** (2006.01)

CPC (source: EP)
B42F 1/02 (2013.01); **B42F 11/02** (2013.01)

Citation (search report)
• [Y] JP 2017105099 A 20170615 - TOKYO KINZOKU KOGYO KK
• [Y] JP 2004330437 A 20041125 - KOKUYO KK
• [A] GB 2310450 A 19970827 - TOKYO KINZOKU INDUSTRY CO LTD [JP]
• [A] DE 9210597 U1 19931209 - HUNKE & JOCHHEIM [DE]
• [A] US 5539963 A 19960730 - FUJIWARA HIROZUMI [JP], et al
• See also references of WO 2021210433A1

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

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EP 4137329 A1 20230222; EP 4137329 A4 20240424; CN 115379955 A 20221122; JP 2021169204 A 20211028; WO 2021210433 A1 20211021

DOCDB simple family (application)
EP 21789501 A 20210402; CN 202180026994 A 20210402; JP 2020170674 A 20201008; JP 2021014360 W 20210402