

Title (en)
WARP SIZING APPARATUS

Title (de)
VORRICHTUNG ZUM SCHLICHTEN VON KETTFÄDEN

Title (fr)
APPAREIL D'ENCOLLAGE DE CHAÎNE

Publication
EP 4249659 A1 20230927 (EN)

Application
EP 23159432 A 20230301

Priority
JP 2022047258 A 20220323

Abstract (en)
A warp sizing apparatus includes a first roll on which a warp sheet is to be wound, a second roll positioned around the first roll such that a path of the warp sheet is sandwiched between the first and the second rolls, and a sizing liquid supply device configured to supply a sizing liquid into the nip between the first and the second rolls. The sizing liquid supply device includes a sizing liquid supply pipe having a pipe part extending along an axis direction of the first roll. The pipe part has supply holes that penetrate through a peripheral wall of the pipe part and are formed at intervals in the axis direction. A lowest point in each of the supply holes, which penetrates through the peripheral wall to an inner peripheral surface of the pipe part, is above a lowest point in the inner peripheral surface.

IPC 8 full level
D06B 1/14 (2006.01)

CPC (source: EP)
D06B 1/145 (2013.01); **D06B 1/148** (2013.01)

Citation (applicant)
• JP 2013002029 A 20130107 - MAYER TEXTILMASCHF
• CN 111254609 A 20200609 - JIANGSU SANSHENG TEXTILE CO LTD

Citation (search report)
• [YA] IT UA20164038 A1 20171201 - T M T MANENTI S R L
• [YA] US 4907426 A 19900313 - WOOD ROBERT F [US], et al
• [A] EP 3792286 A1 20210317 - BENNINGER AG MASCHF [CH]
• [A] CN 112695473 A 20210423 - SHANDONG BINZHOU LOFTEX IND CO LTD
• [A] CN 108589113 A 20180928 - HUZHOU YONGBANG TEXTILE WEAVING CO LTD

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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
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DOCDB simple family (application)
EP 23159432 A 20230301; CN 202310205770 A 20230303; CN 202320378783 U 20230303; JP 2022047258 A 20220323