

Title (en)  
WARP SIZING APPARATUS

Title (de)  
VORRICHTUNG ZUM SCHLICHTEN VON KETTFÄDEN

Title (fr)  
APPAREIL D'ENCOLLAGE DE CHÂÎNE

Publication  
**EP 4324972 A1 20240221 (EN)**

Application  
**EP 23187909 A 20230726**

Priority  
JP 2022131259 A 20220819

Abstract (en)  
A warp sizing apparatus (1) including a sizing tank (3); a first roll (11) on which a warp sheet (T) can be; a second roll provided on a rear side with respect to the first roll; a sizing liquid supply device (20); and a plate-shaped receiving part (30) provided to cover a presence range of the second roll (13), including: an upward-facing receiving surface (32a); and a collection part (40) configured to collect the sizing liquid (S). The receiving part (30) is provided to be in contact with the end wall on the rear side of the sizing tank at a front end of the receiving surface (32a), and has such a size that a rear end of the receiving surface (32a) is located behind the second roll (13). The receiving surface (32a) is configured to be inclined downward toward the collection part (40).

IPC 8 full level  
**D06B 1/14** (2006.01); **B65H 49/00** (2006.01); **B65H 71/00** (2006.01); **D06B 3/04** (2006.01)

CPC (source: CN EP)  
**D06B 1/145** (2013.01 - EP); **D06B 3/09** (2013.01 - CN); **D06B 23/20** (2013.01 - CN); **D06B 3/04** (2013.01 - EP)

Citation (applicant)  
• JP 2003096657 A 20030403 - TSUDAKOMA IND CO LTD  
• JP 2013002029 A 20130107 - MAYER TEXTILMASCHF

Citation (search report)  
• [IA] IT UA20164038 A1 20171201 - T M T MANENTI S R L  
• [A] DE 3145342 C2 19940825 - SUCKER & FRANZ MUELLER GMBH [DE]  
• [A] CN 201099754 Y 20080813 - YANCHENG HONGDA TEXTILE MACHIN [CN]  
• [A] EP 3299503 A1 20180328 - KARL MAYER ROTAL SRL [IT]

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)  
**EP 4324972 A1 20240221**; CN 117587593 A 20240223; CN 220619406 U 20240319; JP 2024027987 A 20240301

DOCDB simple family (application)  
**EP 23187909 A 20230726**; CN 202310907044 A 20230724; CN 202321944415 U 20230724; JP 2022131259 A 20220819