

Title (en)
YARN THREADING TOOL AND WINDING DEVICE

Title (de)
GARNEINFÄDELUNGSWERKZEUG UND AUFSPULVORRICHTUNG

Title (fr)
OUTIL D'ENFILAGE DE FIL ET DISPOSITIF D'ENROULEMENT

Publication
EP 4378869 A1 20240605 (EN)

Application
EP 23213087 A 20231129

Priority
JP 2022192584 A 20221201

Abstract (en)
[Problem to be solved] To provide a yarn threading tool with a simple configuration that can reduce maintenance costs.[Solution] A yarn threading tool 90 is used for respectively threading a plurality of pieces yarn Y to a plurality of fulcrum guides. The yarn threading tool 90 includes a body part 91 and a bar guide part 92. The body part 91 is formed in a shape of a plate with a plurality of yarn dividing grooves 91b lined up for inserting the yarn Y. The bar guide part 92 is located on at least one side of the body part 91 in a thickness direction and is arranged spanning the plurality of yarn dividing grooves 91b. The bar guide part 92 is a different member from the body part 91. When viewed in the thickness direction of the body part 91, the bar guide part 92 is disposed partially overlapping the yarn dividing grooves 91b.

IPC 8 full level
B65H 57/00 (2006.01); **B65H 57/16** (2006.01); **B65H 57/24** (2006.01)

CPC (source: EP)
B65H 57/003 (2013.01); **B65H 57/16** (2013.01); **B65H 57/24** (2013.01); **B65H 2701/3132** (2013.01); **B65H 2701/38** (2013.01)

Citation (applicant)
• JP 2017114573 A 20170629 - TMT MACHINERY INC
• JP 2015164875 A 20150917 - TMT MACHINERY INC

Citation (search report)
• [XA] EP 3666701 A1 20200617 - TMT MACHINERY INC [JP]
• [A] DE 102020004013 A1 20210204 - OERLIKON TEXTILE GMBH & CO KG [DE]
• [A] EP 0481050 A1 19920422 - OWENS CORNING FIBERGLASS CORP [US]
• [A] WO 2022029104 A1 20220210 - OERLIKON TEXTILE GMBH & CO KG [DE]

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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EP 23213087 A 20231129; CN 202311469350 A 20231107; JP 2022192584 A 20221201