

Title (en)
YARN WINDER

Title (de)
GARNWICKLER

Title (fr)
ENROULEUR DE FIL

Publication
EP 4215468 A1 20230726 (EN)

Application
EP 23151538 A 20230113

Priority
JP 2022006242 A 20220119

Abstract (en)
A yarn winder (2) winds the yarn (Y) fed out from a feeding section (6) around a storage area (A) by rotating a storage roller (41) to temporarily store yarn (Y). A detection section (53) is a line sensor (53A) that detects the presence or absence of the yarn (Y) in a linear section (S1) in the storage area (A).

IPC 8 full level
B65H 51/22 (2006.01)

CPC (source: CN EP)
B65H 51/22 (2013.01 - EP); **B65H 54/44** (2013.01 - CN); **B65H 54/553** (2013.01 - CN); **B65H 54/70** (2013.01 - CN); **B65H 63/006** (2013.01 - CN); **B65H 2701/31** (2013.01 - CN EP)

Citation (applicant)
JP 2013241231 A 20131205 - MURATA MACHINERY LTD

Citation (search report)
• [X] EP 2602384 A1 20130612 - VUTS A S [CZ], et al
• [YA] EP 2987755 A1 20160224 - MURATA MACHINERY LTD [JP]
• [Y] GB 2249832 A 19920520 - RHEINMETALL GMBH [DE]
• [Y] DE 19549111 A1 19970703 - SOBREVIN [LI]
• [XP] JP 2022138281 A 20220926 - MURATA MACHINERY LTD

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EP4357285A1

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 4215468 A1 20230726; CN 116462049 A 20230721; JP 2023105427 A 20230731

DOCDB simple family (application)
EP 23151538 A 20230113; CN 202310040174 A 20230113; JP 2022006242 A 20220119