

Title (en)
YARN WINDING MACHINE AND TEACHING METHOD

Title (de)
GARNWICKELMASCHINE UND LEHRVERFAHREN

Title (fr)
MACHINE DE BOBINAGE DE FIL ET PROCÉDÉ D'ENSEIGNEMENT

Publication
EP 4091976 A1 20221123 (EN)

Application
EP 22168177 A 20220413

Priority
JP 2021083569 A 20210518

Abstract (en)
A doffing cart 40 travels in a direction in which yarn processing units are arranged. A stop position identifier 70 is provided at a position corresponding to a stop position of the doffing cart 40. An optical sensor 47 detects the stop position identifier 70. On the basis of a magnitude of a detection value or a light receiving position detected by the optical sensor 47, the doffing cart 40 is stopped with respect to the stop position identifier 70.

IPC 8 full level
B65H 54/26 (2006.01); **D01H 13/00** (2006.01); **D01H 15/013** (2006.01)

CPC (source: CN EP)
B65H 54/26 (2013.01 - EP); **B65H 54/28** (2013.01 - CN); **B65H 54/70** (2013.01 - CN); **B65H 63/00** (2013.01 - CN); **B65H 67/0411** (2013.01 - CN); **B65H 67/0417** (2013.01 - CN); **B65H 69/00** (2013.01 - CN); **D01H 13/005** (2013.01 - EP); **B65H 2701/31** (2013.01 - CN EP)

Citation (applicant)
JP 2008137539 A 20080619 - MURATA MACHINERY LTD

Citation (search report)
• [XAI] JP H07102434 A 19950418 - MURATA MACHINERY LTD
• [XAY/I] JP S5014823 A 19750217
• [Y] DE 102007048721 A1 20090416 - OERLIKON TEXTILE GMBH & CO KG [DE]
• [XAI] US 5582354 A 19961210 - PETERS RAINER [DE]
• [XAI] US 4441660 A 19840410 - CLOUD NATHAN [US], et al
• [XAI] EP 2304086 B1 20120919 - 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 MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4091976 A1 20221123; CN 115367559 A 20221122; JP 2022177371 A 20221201

DOCDB simple family (application)
EP 22168177 A 20220413; CN 202210434918 A 20220424; JP 2021083569 A 20210518