

Title (en)
Traverse arm and yarn winding machine including the same

Title (de)
Querarm und Garnwickelmaschine damit

Title (fr)
Bras transversal et machine de renvideur de fil l'incluant

Publication
EP 2712830 A3 20150218 (EN)

Application
EP 13185553 A 20130923

Priority
JP 2012217672 A 20120928

Abstract (en)
[origin: EP2712830A2] A traverse arm (74) includes an arm body (71) and a traverse guide (73) arranged at a tip-end portion of the arm body (71), and is adapted to be driven and swung by a swing-drive shaft (77) substantially perpendicular to a longitudinal direction of the arm body (71). The arm body (71) is made of a plate member, and at least a portion of the plate member is bent within a cross section perpendicular to the longitudinal direction to form a protrusion (82) that protrudes in a direction of the swing-drive shaft.

IPC 8 full level
B65H 54/28 (2006.01)

CPC (source: EP)
B65H 54/2827 (2013.01); **B65H 2701/31** (2013.01)

Citation (search report)

- [XAI] CH 693337 A5 20030613 - RIETER AG MASCHF [CH]
- [A] WO 2007144714 A1 20071221 - COLOMBO FILIPPETTI SPA [IT], et al
- [A] EP 2479129 A2 20120725 - MURATA MACHINERY LTD [JP]
- [A] EP 2179955 A2 20100428 - OERLIKON TEXTILE GMBH & CO KG [DE]
- [A] WO 03102280 A1 20031211 - SARZILLA GIAMPAOLO [IT]

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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

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EP 2712830 A2 20140402; EP 2712830 A3 20150218; EP 2712830 B1 20170726; CN 103708283 A 20140409; CN 103708283 B 20180522; CN 203624700 U 20140604; JP 2014069931 A 20140421

DOCDB simple family (application)
EP 13185553 A 20130923; CN 201310447243 A 20130924; CN 201320598990 U 20130924; JP 2012217672 A 20120928