

Title (en)
Yarn winding device

Title (de)
Garnwicklungsvorrichtung

Title (fr)
Dispositif de bobinage de fil

Publication
EP 2404855 A3 20151104 (EN)

Application
EP 11171020 A 20110622

Priority
JP 2010157286 A 20100709

Abstract (en)
[origin: EP2404855A2] A yarn winding device (11) that produces a conical package (53), includes a traverse guide (17), a traverse driving section (19), a lead ratio setting section (43) adapted to set, as a lead ratio, a value of a ratio of traverse time within a larger diameter region with respect to traverse time within a smaller diameter region of the package (53), or a value of a ratio of traverse speed within the smaller diameter region with respect to traverse time within the larger diameter region of the package, and a speed profile adjusting section (44) adapted to adjust a speed profile of the traverse guide (17) in at least one of the larger diameter region and the smaller diameter region of the package (53) according to the set lead ratio set by the lead ratio setting section (43).

IPC 8 full level
B65H 54/10 (2006.01); **B65H 54/28** (2006.01)

CPC (source: EP)
B65H 54/103 (2013.01); **B65H 54/2884** (2013.01); **B65H 2701/31** (2013.01)

Citation (search report)
• [XA] WO 2007144714 A1 20071221 - COLOMBO FILIPPETTI SPA [IT], et al
• [XD] JP H10109823 A 19980428 - MURATA MACHINERY LTD & EP 0834462 A2 19980408 - MURATA MACHINERY LTD [JP]

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

DOCDB simple family (publication)
EP 2404855 A2 20120111; **EP 2404855 A3 20151104**; **EP 2404855 B1 20190807**; CN 102311013 A 20120111; CN 102311013 B 20151021; JP 2012017205 A 20120126

DOCDB simple family (application)
EP 11171020 A 20110622; CN 201110192167 A 20110704; JP 2010157286 A 20100709