

Title (en)

Yarn guiding-out device and yarn winding machine

Title (de)

Garnhinausführungsvorrichtung und Garnwickelmaschine

Title (fr)

Dispositif d'épissage de fil et machine d'enroulement de fils

Publication

EP 2749516 A3 20140723 (EN)

Application

EP 13190833 A 20131030

Priority

JP 2012285714 A 20121227

Abstract (en)

[origin: EP2749516A2] A yarn guiding-out device is proposed. Slits (28a) are formed in a yarn guiding-out device (28). The yarn guiding-out device (28) blows an airflow through the slits (28a) in a direction in which a yarn end (20a) of a package (30) is guided out from the package (30). The slits (28a) are formed so as to generate the airflow that flows along an outer wall surface (specifically, a curved portion (63) and a flat portion (64)) having no opposing wall surface.

IPC 8 full level

B65H 67/08 (2006.01)

CPC (source: EP)

B65H 67/085 (2013.01); **B65H 2701/31** (2013.01)

Citation (search report)

- [X] JP H08245081 A 19960924 - MURATA MACHINERY LTD
- [IA] GB 1074772 A 19670705 - REINERS WALTER
- [X] EP 0983955 A2 20000308 - MURATA MACHINERY LTD [JP]
- [X] JP H04246072 A 19920902 - MURATA MACHINERY LTD
- [X] DE 2426724 B1 19750703 - PALITEX PROJECT CO GMBH
- [A] CH 699278 A2 20100215 - RIETER AG MASCHF [CH]
- [A] EP 2388224 A2 20111123 - OERLIKON TEXTILE GMBH & CO KG [DE]

Cited by

EP3095742A1; WO2019076712A1

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 2749516 A2 20140702; EP 2749516 A3 20140723; EP 2749516 B1 20160511; CN 103896109 A 20140702; CN 103896109 B 20180525; JP 2014125348 A 20140707

DOCDB simple family (application)

EP 13190833 A 20131030; CN 201310692919 A 20131217; JP 2012285714 A 20121227