

Title (en)

YARN FEEDER FOR CIRCULAR KNITTING MACHINE

Title (de)

GARNZUFÜHRUNG FÜR EINE FLACHSTRICKMASCHINE

Title (fr)

DISPOSITIF D'ALIMENTATION EN FIL POUR MACHINE À TRICOTER CIRCULAIRE

Publication

**EP 2431511 A4 20131218 (EN)**

Application

**EP 10774789 A 20100401**

Priority

- JP 2010056005 W 20100401
- JP 2009116438 A 20090513
- JP 2010065720 A 20100323

Abstract (en)

[origin: EP2431511A1] A yarn feeder for feeding yarn in a jacquard circular knitting machine and a circular knitting machine provided with a yarn changer is configured so as to prevent yarn from becoming wound around the friction surface of a yarn feeding pulley or breaking due to friction against a rubber band of the yarn feeding pulley. The yarn feeder for a circular knitting machine is composed of at least one yarn feeding pulley 10, and a fixed guide 15 and movable guides 16 and 17 provided adjacent to the yarn feeding pulley 10. The fixed guide 15 has an introduction hole 15a on a yarn inlet side and an exit hole 15b on a yarn outlet side, and the at least two movable guides 16 and 17 have yarn guide holes 16a and 17a for guiding the yarn at tips thereof, and move in an arc along the surface of the yarn feeding pulley 10. The two movable guides 16 and 17 are provided with means for enabling the guides to move in tandem or separately.

IPC 8 full level

**D04B 15/48** (2006.01)

CPC (source: EP)

**D04B 15/48** (2013.01)

Citation (search report)

- [X] DE 202007013836 U1 20071206 - CHEN JEN HUI [TW], et al
- [X] DE 19637556 C1 19980108 - MEMMINGER IRO GMBH [DE]
- [X] GB 694860 A 19530729 - MELLOR BROMLEY & CO LTD
- [X] GB 2115017 A 19830901 - PRECISION FUKUHARA WORKS LTD
- See references of WO 2010131530A1

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US2023193532A1

Designated contracting state (EPC)

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 SE SI SK SM TR

DOCDB simple family (publication)

**EP 2431511 A1 20120321; EP 2431511 A4 20131218; EP 2431511 B1 20160831**; CN 102378836 A 20120314; CN 102378836 B 20131225; JP 2010285734 A 20101224; TW 201043743 A 20101216; TW I518220 B 20160121; WO 2010131530 A1 20101118

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**EP 10774789 A 20100401**; CN 201080014993 A 20100401; JP 2010056005 W 20100401; JP 2010065720 A 20100323; TW 99110971 A 20100409