

Title (en)

FIBER BUNDLE CONDENSING DEVICE OF SPINNING MACHINE

Title (de)

FASERBÜNDELKONDENSATIONSVORRICHTUNG FÜR EINE SPINNMASCHINE

Title (fr)

DISPOSITIF DE CONDENSATION DE FAISCEAU DE FIBRES D'UN MÉTIER À FILER

Publication

EP 4279645 A1 20231122 (EN)

Application

EP 23169388 A 20230424

Priority

- JP 2022080891 A 20220517
- JP 2022203293 A 20221220

Abstract (en)

A fiber bundle condensing device (10) of a spinning machine (100) includes a condensing unit, a plurality of countershafts (20), a countershaft driving motor (103), and a shaft coupling (70). The shaft coupling (70) couples the countershafts (20) with a bolt (80). The fiber bundle condensing device (10) further includes a detected portion, a rotational position detector (30), a controller (40), and an operation unit (41). An operational range is defined as a range where a rotational position of the shaft coupling (70) is located and the bolt (80) used for a coupling main body (73) is operable from a front of the fiber bundle condensing device (10). The controller (40), when the stop command is input, controls the driving of the countershaft driving motor (103) such that the shaft coupling (70) is located in the operation range at a time when the countershafts (20) stop rotating.

IPC 8 full level

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CPC (source: EP)

D01H 1/22 (2013.01); **D01H 5/72** (2013.01); **D01H 13/32** (2013.01)

Citation (applicant)

EP 1473388 A2 20041103 - PINTER SA [ES]

Citation (search report)

- [A] JP 2019148045 A 20190905 - MURATA MACHINERY LTD
- [A] JP 2020100931 A 20200702 - SAURER SPINNING SOLUTIONS GMBH & CO KG
- [A] DE 2735799 A1 19790222 - ZINSER TEXTILMASCHINEN GMBH
- [A] US 2875645 A 19590303 - JACOB KEYSER JOHANN

Designated contracting state (EPC)

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Designated extension state (EPC)

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