Title (en)
FIBER BUNDLE CONDENSING DEVICE FOR SPINNING MACHINE

Title (de)
FASERBÜNDELKONDENSATIONSVORRICHTUNG FÜR EINE SPINNMASCHINE

Title (fr)
DISPOSITIF DE CONDENSATION DE FAISCEAU DE FIBRES POUR MÉTIER À FILER

Publication
EP 4215653 A1 20230726 (EN)

Application
EP 22199964 A 20221006

Priority
JP 2022009028 A 20220125

Abstract (en)
A fiber bundle condensing device (100) includes a condensing device (110) configured to condense a fiber bundle (F) and including a delivery bottom roller (112) that is mounted on a rotary shaft (111) and transports the fiber bundle (F), a countershafts (130) configured to drive the rotary shaft (111), a driven gear (113) mounted on the rotary shaft (111), a drive gear (132) mounted on the countershaft (130). A plurality of the countershafts (130) corresponding to a plurality of the condensing devices (110) are connected by a coupling (150). A conditional expression $W > d \geq (1/4) \times W$ is satisfied, where W represents a width of the drive gear (132) and d represents a distance between ends of the plurality of countershafts (130) connected by the coupling (150).

IPC 8 full level
D01H 1/02 (2006.01); **D01H 1/22** (2006.01); **D01H 5/72** (2006.01)

CPC (source: CN EP)
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Citation (applicant)
EP 1473388 A2 20041103 - PINTER SA [ES]

Citation (search report)
- [AD] EP 1473388 A2 20041103 - PINTER SA [ES]
- [A] DE 102005010903 A1 20050929 - PINTER SA [ES]
- [A] EP 1300495 A1 20030409 - TOYOTA JIDOSHOKKI KK [JP]

Designated contracting state (EPC)
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BA

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