

Title (en)
FINE SPINNING MACHINE

Title (de)
KOMPAKTSPINNMASCHINE

Title (fr)
MÉTIER À FILER DE TYPE COMPACT

Publication
EP 3754063 B1 20230419 (EN)

Application
EP 20179917 A 20200615

Priority
JP 2019113472 A 20190619

Abstract (en)
[origin: EP3754063A1] A fine spinning machine includes a fiber bundle condensing device (3) that condenses a fiber bundle drafted by a drafting device (1) that includes a delivery roller pair (2). The fiber bundle condensing device includes a nip roller pair (7) disposed downstream of the delivery roller pair (2), a suction pipe (5) disposed upstream of the nip roller pair (7) and downstream of the delivery roller pair (2), and an air-permeable apron (6). A circumferential velocity ratio of a first drive roller (2b) to a second drive roller (7b) is modifiable. The fiber bundle condensing device (3) includes a pressing mechanism (11) configured to press a first driven roller (2a) or a second driven roller (7a) such that the first driven roller (2a) or the second driven roller (7a) is pressed against the first drive roller (2b) or the second drive roller (7b), and against the air-permeable apron (6).

IPC 8 full level
D01H 5/72 (2006.01); **D01H 5/82** (2006.01); **D01H 5/86** (2006.01)

CPC (source: CN EP)
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