

Title (en)
POT SPINNING MACHINE

Title (de)
TOPFSPINNMASCHINE

Title (fr)
MÉTIER À FILER CENTRIFUGE

Publication
EP 3543383 B1 20220209 (EN)

Application
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Abstract (en)
[origin: EP3543383A1] A pot spinning machine (1) according to the present invention has a drafting device (10) for drawing out yarn (18), a yarn suction pipe (12) for suctioning the drawn-out yarn (18), a cylindrical pot (15), and a yarn guide (14) for guiding the yarn (18), which is supplied thereto through the yarn suction pipe (12), into the pot (15), the pot spinning machine (1) forming a cake (24) by winding the yarn (18) discharged from the yarn guide (14) around an inner wall (27) of the pot (15). The pot spinning machine (1) includes a detection sensor (11) for detecting behavior of the yarn (18) on a yarn path extending from the drafting device (10) to the yarn suction pipe (12), a cutting mechanism (13) for cutting the yarn (18) midway along a yarn path extending from the drafting device (10) to the inner wall (27) of the pot (15) via the yarn suction pipe (12) and the yarn guide (14), and a control unit (50) that executes control to drive the cutting mechanism (13) when determining that the behavior of the yarn (18) is abnormal on the basis of a detection result from the detection sensor (11).

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