

Title (en)

Yarn end catching device and method of operating it

Title (de)

Garnendenaufnahmevorrichtung und Betriebsverfahren dafür

Title (fr)

Dispositif pour attraper l'extrémité des fils et son procédé de fonctionnement

Publication

EP 2468932 B1 20130612 (EN)

Application

EP 12160960 A 20100708

Priority

- EP 10168860 A 20100708
- JP 2009188450 A 20090817

Abstract (en)

[origin: EP2302115A1] A spinning frame includes a yarn accumulating roller (21), a yarn hooking member (22), a yarn removing lever (28), a suction pipe (44), and a unit controller (60). The hooking member (22) can wind a spun yarn (10) around the yarn accumulating roller (21). The yarn removing lever (28) can remove the spun yarn (10) from the yarn hooking member. The suction pipe (44) can catch a yarn end of the spun yarn (10) and includes a twisting nozzle (67) capable of applying twists to the caught spun yarn (10). The unit controller (60) controls the twisting nozzle (67) to operate while the spun yarn (10) caught by the suction pipe (44) is being wound around the yarn accumulating roller (21), and controls the twisting nozzle (67) to stop before the yarn removing lever (28) removes the spun yarn (10) from the yarn hooking member (22).

IPC 8 full level

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CPC (source: EP)

B65H 51/22 (2013.01); **B65H 54/26** (2013.01); **B65H 67/081** (2013.01); **D01H 4/48** (2013.01); **D01H 15/00** (2013.01); **B65H 2701/31** (2013.01)

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EP 2302115 A1 20110330; **EP 2302115 B1 20120919**; CN 101994176 A 20110330; CN 101994176 B 20140709; EP 2468932 A1 20120627; EP 2468932 B1 20130612; JP 2011038225 A 20110224

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