

Title (en)
Yarn heating apparatus

Title (de)
Heizeinrichtung zum Erwärmen eines Fadens

Title (fr)
Dispositif de chauffage pour fil

Publication
EP 2415915 A1 20120208 (EN)

Application
EP 11176790 A 20110808

Priority
• JP 2010177046 A 20100806
• JP 2010236530 A 20101021

Abstract (en)
In a thermal insulation box 13, above a thermal insulation space 21 in which a godet roller 11 and a separate roller 12 each having a heater 15 are provided, a connecting space 22 separated from a thermal insulation space 21 by a wall 23 is provided. Yarns Y spun out from a spinning machine enter the thermal insulation space 21 after passing through a slit 25a at an upper wall 13b of the thermal insulation box 13, the connecting space 22, and a slit 24a on the wall 23, reciprocate between the rollers 11 and 12 plural times, and then go out from the thermal insulation space 21 to the outside of the thermal insulation box 13 through a slit 24b of the wall 23, the connecting space 22, and a slit 25b of the upper wall 13b. In so doing, an accompanied flow generated around the running yarns Y causes a part of air having flown out from the thermal insulation space 21 through the slit 24b to return to the thermal insulation space 21 through the connecting space 22 and the slit 24a.

IPC 8 full level
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Citation (applicant)
JP 2001262429 A 20010926 - MURATA MACHINERY LTD

Citation (search report)
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