

Title (en)

Cross-winding machine with thermosplicer for pneumatically connecting the ends of yarns

Title (de)

Kreuzspulautomat mit Thermosplicessern zum pneumatischen Verbinden von Fadenenden

Title (fr)

Bobinoir automatique à fil croisé avec dispositifs de raccordement thermique pour raccorder pneumatiquement les extrémités de fils

Publication

EP 1209115 A3 20030319 (DE)

Application

EP 01119600 A 20010816

Priority

DE 10058211 A 20001123

Abstract (en)

[origin: EP1209115A2] An automated cross-winder has work stations each with a computer-controlled (40) thermal splicer (1) linked to a textile machine with a compressed air supply (35). Thread ends are spliced by hot air. The thermal splice unit (1) has especially individually controlled air valves (32). After splicing, the heat source (31) and heating elements (45) are switched off and the splice unit is rapidly cooled by compressed expelled by the textile machine. The cooling system is operated especially when making a change from one grade of thread to another which requires a different operating temperature. The cooling system may also be activated following a common thread splice operation.

IPC 1-7

B65H 69/06

IPC 8 full level

B65H 69/06 (2006.01)

CPC (source: EP)

B65H 69/061 (2013.01); **B65H 2301/5305** (2013.01); **B65H 2701/31** (2013.01)

Citation (search report)

- [X] NL 1010834 C2 20000620 - SPINDOR INTERNATIONAL N V [BE]
- [DA] DE 3924827 A1 19910131 - SCHLAFHORST & CO W [DE]
- [DA] DE 4030353 A1 19920402 - SCHLAFHORST & CO W [DE]
- [A] DE 4240055 A1 19940601 - SCHLAFHORST & CO W [DE]

Cited by

IT201800007114A1; CN103662984A; EP3747810A1; WO2020245119A2

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