

Title (en)

YARN JOINING DEVICE AND SPINNING MACHINE

Title (de)

GARNVERBINDUNGSVORRICHTUNG UND SPINNMASCHINE

Title (fr)

DISPOSITIF DE RATTACHEMENT DE FIL ET MACHINE À FILER

Publication

**EP 3309099 B1 20190515 (EN)**

Application

**EP 17195655 A 20171010**

Priority

JP 2016203578 A 20161017

Abstract (en)

[origin: EP3309099A1] A yarn joining device (31) includes: a first untwisting pipe (41) that catches a first yarn end (Y1a) made in first yarn (Y1) through a first yarn-end inlet (41a) and untwists therein the first yarn end (Y1a) by action of air injected from a first air injection hole (42); a second untwisting pipe (43) that catches a second yarn end (Y2a) made in second yarn (Y2) through a second yarn-end inlet (43a) and untwists therein the second yarn end (Y2a) by action of air injected from a second air injection hole (44); an air injection portion (91, 92) that is capable of injecting air from outside toward the first and the second yarn-end inlets; a yarn joining portion (50) that twists the first yarn end and the second yarn end untwisted; and a movable lever (82) that is capable of advancing and retreating with respect to the first and the second yarn-end inlets. The air injection portion (91, 92) is provided to the movable lever (82).

IPC 8 full level

**B65H 69/06** (2006.01)

CPC (source: CN EP)

**B65H 69/063** (2013.01 - EP); **D01H 4/02** (2013.01 - CN); **D01H 4/48** (2013.01 - CN); **B65H 2701/31** (2013.01 - EP)

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