

Title (en)

Yarn forming element for an air jet spinning machine with an insert and spindle equipped with the same

Title (de)

Garnbildungselement für eine Luftspinnmaschine mit einem Einsatz sowie damit ausgerüstete Spinndüse

Title (fr)

Élément de formation de fil pour métier à tisser à jet d'air comprenant un insert et filière équipée de celui-ci

Publication

EP 2730685 B1 20181205 (DE)

Application

EP 13189333 A 20131018

Priority

DE 102012110315 A 20121029

Abstract (en)

[origin: EP2730685A1] The yarn formation element (1) has a spinning tip (4) that is provided with an inlet opening (6) surrounded with an outermost surface (5). The air flow is enabled in the inlet opening for forming the yarn (2). An insert (7) is inserted into the inlet opening and is adjoined with an exhaust duct (8). Several air outlet apertures (9) are branched laterally from the exhaust duct so that an air flow is partially brought into the exhaust duct against the spinning direction (S) over the air outlet apertures and is escaped partially over the inlet opening. An independent claim is included for spinning nozzle of air spinning machine.

IPC 8 full level

D01H 1/115 (2006.01)

CPC (source: EP US)

D01H 1/115 (2013.01 - EP US); **D01H 4/02** (2013.01 - US)

Cited by

EP3281903A4; WO2016030136A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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DE 102012110315 A1 20140430; US 2014116022 A1 20140501; US 8966873 B2 20150303

DOCDB simple family (application)

EP 13189333 A 20131018; CN 201310521997 A 20131029; DE 102012110315 A 20121029; US 201314065645 A 20131029