

Title (en)
SPINNING UNIT FOR AN AIR JET SPINNING MACHINE AND ITS OPERATION

Title (de)
SPINNSTELLE FÜR EINE LUFTSPINNMASCHINE SOWIE BETRIEB EINER SOLCHEN

Title (fr)
POSTE DE FILAGE POUR UNE MACHINE DE FILAGE À JET D'AIR ET UTILISATION DE CELLE-CI

Publication
EP 2944713 B1 20180718 (DE)

Application
EP 15167155 A 20150511

Priority
CH 7162014 A 20140513

Abstract (en)
[origin: US2015329994A1] The invention refers to a spinning unit of an air jet spinning machine with a spinning nozzle (1) used to manufacture yarn (2) from a fiber strand (3) fed to the spinning nozzle (1), in which case the spinning nozzle (1) has an inlet (4) for the fiber strand (3), a swirl chamber (5) located inside, a yarn forming element (6) protruding into the swirl chamber (5) and a exhaust duct (24) for the yarn (2) as well as an outlet (7) for the yarn (2) produced in the interior of the spinning nozzle (1). According to the invention, it is suggested that an additive supply (8) be assigned to the spinning nozzle (1) designed so the spinning nozzle (1) is supplied with an additive, in which case the yarn forming element (6) has at least one additive duct (10) that ends in the swirl chamber (5) or exhaust duct (24), and in which case the additive supply (8) encompasses at least one additive supply line (14) connected fluidically to the additive duct (10) so that an additive introduced into the additive duct (10) via the additive supply line (14) can be introduced into the exhaust duct (24) and/or swirl chamber (5). In addition, a process for operating an air jet spinning machine with at least one spinning unit is suggested, in which case an additive is added, at least intermittently, to the spinning nozzle (1) of the spinning unit while it is operating with the help of an additive supply (8), and in which case the added additive is delivered through an additive duct (10) of the yarn forming element (6) to the exhaust duct (24) and/or swirl chamber (5).

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