

Title (en)
Equipment for producing spun yarn

Title (de)
Vorrichtung zum Herstellen eines gesponnenen Fadens

Title (fr)
Dispositif pour la production de files de fibres

Publication
EP 1722016 A2 20061115 (DE)

Application
EP 06002903 A 20060214

Priority
DE 102005022686 A 20050512

Abstract (en)
In air jet-based apparatus for producing a spun yarn (1) from a staple fiber tow (2), including an air outlet channel (15) (at least initially formed as an annular channel (17) around a spindle (18)) combined with a cleaning channel (20), both channels being connected to a common reduced pressure source (24), the cleaning channel firstly combines with the air outlet channel after the annular channel (in the flow direction). Apparatus for producing a spun yarn (1) from a staple fiber tow (2) comprises a stretching tool (3) with a provider roller pair (9, 10), upstream of an air jet unit (4) containing a vortex chamber (13) with an air outlet channel (15), formed at least in the starting region as an annular channel (17) around a stationary spindle (18). A cleaning channel (20) is aligned with a suction opening (19) of the provider roller pair, and combines with the air outlet channel, both of which are connected to a common reduced pressure source (24). The novel feature is that the cleaning channel firstly combines with the air outlet channel after the annular channel (in the flow direction).

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