

Title (en)

Open-end rotor spinning device.

Title (de)

Vorrichtung mit einem Rotor zum Offenend-Spinnen.

Title (fr)

Dispositif ayant un rotor pour la filature à bout libre.

Publication

**EP 0403801 A1 19901227 (EN)**

Application

**EP 90109363 A 19900517**

Priority

CS 374289 A 19890621

Abstract (en)

The open-end rotor spinning device comprises a one-sidedly open spinning rotor (2), a positively driven guide body (13) in the form of a ring, tube, or the like, which enters by its rear end coaxially the spinning rotor and whose inner wall (25) serves for depositing supplied fibres (39), for supportingly guiding and finally delivering them to the spinning rotor (2), further an immovable covering body (27) which is associated with the front end of the guide body (13) and through which a guide duct (40) or tube extends for supplying fibres to the inner wall (32) of said guide body, and a take-off duct (42) or tube which extends through the axis of the spinning rotor (2) or that of the covering body (27) and which serves for withdrawing yarn out of the spinning rotor, there being provided between the spinning rotor and the guide body an annular spacing (18) through which the communicating spaces of the spinning rotor and the guide body are connected to a first sucking unit (22-24,44,45). In order to make the device more versatile, an air discharge hole (29) is provided at the side of front end of the guide body, through which the communicating spaces of the spinning rotor and the guide body are connected either to a second sucking unit (30,47,48), there being arranged at least in front of the first sucking unit an air regulating member (49) or at least the first sucking unit having a selectable sucking output, or also to said first sucking unit but in parallel to the annular spacing between the spinning rotor and the guide body, the air regulating members being associated with said annular spacing and the air discharging hole.

IPC 1-7

**D01H 4/08**

IPC 8 full level

**D01H 4/08** (2006.01); **D01H 4/38** (2006.01)

CPC (source: EP)

**D01H 4/08** (2013.01)

Citation (search report)

- [A] DE 2130738 A1 19721228 - SKF KUGELLAGERFABRIKEN GMBH
- [A] FR 2173230 A1 19731005 - PLATT INTERNATIONAL LTD [GB]
- [A] GB 1154840 A 19690611 - VYZK USTAV BAVLNARSKY [CS]

Cited by

DE4306272A1

Designated contracting state (EPC)

CH DE FR GB IT LI

DOCDB simple family (publication)

**EP 0403801 A1 19901227**; **EP 0403801 B1 19940413**; CS 274638 B2 19910915; CS 8903742 A1 19901114; DE 69008046 D1 19940519; DE 69008046 T2 19940728; JP H03113022 A 19910514

DOCDB simple family (application)

**EP 90109363 A 19900517**; CS 374289 A 19890621; DE 69008046 T 19900517; JP 15380690 A 19900612