

Title (en)
Yarn guiding tube

Title (de)
Fadenführungsrohr

Title (fr)
Tube de guidage de fil

Publication
EP 1045052 A3 20001206 (DE)

Application
EP 00104851 A 20000307

Priority
DE 19915924 A 19990409

Abstract (en)
[origin: EP1045052A2] The yarn take-off tube (1) from a spinning station, such as an open-end spinner, has a dividing joint (4) so that the tube can be broken down into at least two parts. The dividing joint (4) at the yarn guide tube (1) is at a second section (12), away from the spinning station, or at the first section (11) towards the spinning station. The dividing joint (4) is between the tube sections (11,12). The first (11) and/or second (12) tube sections are closed tubes, with their center axes at an angle to each other. At least one tube section has a coupling to lock the other section to it, as a bayonet or clip coupling, so that the tube sections (11,12) are held together in a releasable mounting. Or the sections (11,12) can be locked together by screw threads (31,32). One tube section holds the end of the other tube section within it. One tube section carries a sensor, between the dividing joint (4) and the end (121) of the yarn guide tube (1) to monitor the yarn guide channel (10) through the guide tube (1) and register the presence of a yarn in the channel (10), and its characteristics such as the thickness and/or yarn mass, and detect any foreign fibers. The dividing joint (4) is across the axis of the yarn guide tube (1).

IPC 1-7
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IPC 8 full level
D01H 4/40 (2006.01); **D01H 13/26** (2006.01)

CPC (source: EP US)
D01H 4/40 (2013.01 - EP US)

Citation (search report)

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- [XY] EP 0341405 A1 19891115 - SCHLAFHORST & CO W [DE]
- [A] DE 19547544 A1 19970626 - SCHLAFHORST & CO W [DE]
- [A] FR 2315552 A1 19770121 - SCHUBERT & SALZER MASCHINEN [DE]

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DE 19915924 A1 20001012; **DE 19915924 B4 20091210**; DE 50006553 D1 20040701; EP 1045052 A2 20001018; EP 1045052 A3 20001206; EP 1045052 B1 20040526; US 6324826 B1 20011204

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