

Title (en)  
OPEN-END ROTOR SPINNING DEVICE

Title (de)  
OFFENEND-ROTORSPINNVORRICHTUNG

Title (fr)  
DISPOSITIF DE FILAGE À ROTOR À BOUT LIBRE

Publication  
**EP 2403981 B2 20170301 (DE)**

Application  
**EP 10705298 A 20100218**

Priority  
• EP 2010001000 W 20100218  
• DE 102009012045 A 20090306

Abstract (en)  
[origin: WO2010099870A1] The invention relates to an open-end rotor spinning device comprising a spinning rotor which, during the spinning process, rotates at a high rotational speed inside a rotor housing, which can be subjected to negative pressure and which can be closed by a covering element. The covering element has a receptacle for positioning a channel plate adapter matched to the spinning rotor, an opening cylinder rotatably supported in an opening cylinder housing, and an at least two-part fiber guide channel having channel sections, the center longitudinal axes of which are arranged at an angle to one another, and of which the channel section on the input side is integrated into a fiber guide channel insert which can be fixed in a bearing hole in the opening cylinder housing, while the channel section on the output side is a constituent part of the respective channel plate adapter. According to the invention, a fiber guide channel insert (30) can be fixed in the bearing hole in the opening cylinder housing (17), of which insert at least one channel portion (28, 28B) runs at an angle of inclination ( $\alpha$ ,  $\beta$ ) with respect to a reference line (29) arranged parallel to the outer wall of the fiber guide channel insert (30), wherein the angle of inclination ( $\alpha$ ,  $\beta$ ) is in each case matched to an associated channel plate adapter (12).

IPC 8 full level  
**D01H 4/08** (2006.01); **D01H 4/38** (2006.01)

CPC (source: EP)  
**D01H 4/08** (2013.01); **D01H 4/38** (2013.01)

Citation (opposition)  
Opponent :  
• DE 10348710 A1 20050512 - SAURER GMBH & CO KG [DE]  
• DE 19742498 A1 19990401 - LEGROM FRIEDRICH [DE]  
• DE 3239089 A1 19830519 - TOYODA AUTOMATIC LOOM WORKS [JP]  
• DE 19712881 A1 19981001 - SCHLAFHORST & CO W [DE]

Cited by  
EP3875647B1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)  
**DE 102009012045 A1 20100909**; BR PI1013218 A2 20160329; CN 102341534 A 20120201; CN 102341534 B 20140709; EP 2403981 A1 20120111; EP 2403981 B1 20140129; EP 2403981 B2 20170301; WO 2010099870 A1 20100910

DOCDB simple family (application)  
**DE 102009012045 A 20090306**; BR PI1013218 A 20100218; CN 201080009966 A 20100218; EP 10705298 A 20100218; EP 2010001000 W 20100218