

Title (en)

Open-end spinning machine with a spinning rotor and a spinning insert supported coaxially in relation to the spinning rotor

Title (de)

Offenend-Spinnvorrichtung mit Spinnrotor und einem coaxial bezüglich des Spinnrotors gelagerten Spinneinsatz

Title (fr)

Métier à filer à bout libre avec un rotor de filage et une pièce de filage rapportée et supportée coaxialement par rapport au rotor de filage

Publication

EP 1422324 A3 20050216 (DE)

Application

EP 03025549 A 20031108

Priority

DE 10254271 A 20021121

Abstract (en)

[origin: EP1422324A2] A spinning rotor (22) has an insert (24) mounted on bearings (25) that are attached to the rotor shaft (23). The insert (24) can move at a different rotational speed than the rotor (22), but is linked to it by a coupling without direct contact, e.g. by permanent magnets (32) placed in the insert. The insert has a yarn guide channel (31) that is curved at its entry in the direction of rotor rotation.

IPC 1-7

D01H 4/08

IPC 8 full level

D01H 4/08 (2006.01); **D01H 4/40** (2006.01)

CPC (source: EP US)

D01H 4/08 (2013.01 - EP US); **D01H 4/40** (2013.01 - EP US)

Citation (search report)

- [DA] DE 4411342 A1 19951005 - SCHLAFHORST & CO W [DE]
- [A] US 3958403 A 19760525 - WEHLING ROLF
- [DA] DE 2552955 A1 19760812 - NEGISHI KOGYO KENKYUSHO URAWA

Cited by

CN103774296A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1422324 A2 20040526; **EP 1422324 A3 20050216**; CN 100414008 C 20080827; CN 1511981 A 20040714; DE 10254271 A1 20040603; US 2004103635 A1 20040603; US 6955037 B2 20051018

DOCDB simple family (application)

EP 03025549 A 20031108; CN 200310116454 A 20031121; DE 10254271 A 20021121; US 71995703 A 20031121