

Title (en)

ROTOR SPINNING MACHINE AND METHOD FOR IDENTIFYING A SPINNING ROTOR ON A ROTOR SPINNING MACHINE

Title (de)

VERFAHREN ZUR IDENTIFIKATION EINES SPINNROTORS AN EINER ROTORSPINNMASCHINE SOWIE ROTORSPINNMASCHINE

Title (fr)

PROCÉDÉ D'IDENTIFICATION D'UN ROTOR DE FILATURE SUR UNE MACHINE DE FILATURE À ROTOR AINSI QUE MACHINE DE FILATURE À ROTOR

Publication

EP 3739090 B1 20221130 (DE)

Application

EP 20174588 A 20200514

Priority

DE 102019112735 A 20190515

Abstract (en)

[origin: CN111945260A] The invention relates to a method for detecting a spinning rotor (5) on an open-end spinning machine (1), in which the spinning rotor (5) is mounted in a floating manner in an at least radially acting magnetic bearing (6) and rotates in the bearing (6) during spinning operation, and in which at least one variable system variable is compared with at least one reference value. It is proposed that the at least one variable system variable is the energy absorption of the support (6), the radial position of the spinning rotor (5) and/or the resonance frequency of the spinning rotor (5). The invention also relates to the rotor spinning machine (1) for carrying out the method.

IPC 8 full level

D01H 4/08 (2006.01)

CPC (source: CN EP US)

D01H 4/08 (2013.01 - EP); **D01H 4/10** (2013.01 - US); **D01H 4/12** (2013.01 - CN US); **D01H 4/14** (2013.01 - CN); **D01H 4/44** (2013.01 - CN)

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)

EP 3739090 A1 20201118; **EP 3739090 B1 20221130**; CN 111945260 A 20201117; CN 111945260 B 20230815; DE 102019112735 A1 20201119; US 11479883 B2 20221025; US 2020362480 A1 20201119

DOCDB simple family (application)

EP 20174588 A 20200514; CN 202010413214 A 20200515; DE 102019112735 A 20190515; US 202016874901 A 20200515