Title (en)

OPTIMIZATION OF THE OPERATION OF A SPINNING MACHINE

Title (de)

OPTIMIERUNG DES BETRIEBES EINER SPINNMASCHINE

Title (fr)

OPTIMISATION DU FONCTIONNEMENT D'UN MÉTIER À FILER

Publication

EP 3760772 B1 20240731 (DE)

Application

EP 20179126 A 20200610

Priority

DE 102019116475 A 20190618

Abstract (en)

[origin: CN112095188A] The invention relates to optimization of the operation of a spinning machine. A method for optimizing the operation of a spinning machine with regard to quality and productivity is provided. An apparatus, comprising a control device and the spinning machine is provided. According to the invention, a yarn having specified yarn properties is produced, a quality parameter of the yarn is sensed duringthe spinning operation, a parameter for setting the production speed is specified, the quality parameter and the parameter for setting the production speed are evaluated, and the production speed isset in dependence on a target variable, the target variable comprising the quality parameter.

IPC 8 full level

D01H 1/20 (2006.01); **D01H 4/42** (2006.01); **D01H 13/32** (2006.01)

CPC (source: CN EP US)

D01H 1/20 (2013.01 - EP); **D01H 4/42** (2013.01 - CN EP); **D01H 4/44** (2013.01 - US); **D01H 13/14** (2013.01 - CN); **D01H 13/22** (2013.01 - CN); **D01H 13/32** (2013.01 - CN EP)

Citation (examination)

WO 2018101240 A1 20180607 - MURATA MACHINERY LTD [JP]

Cited by

EP4101957A1; WO2022259108A1; EP4383024A1; LU503150B1

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 3760772 A1 20210106; **EP 3760772 B1 20240731**; CN 112095188 A 20201218; CN 112095188 B 20230421; DE 102019116475 A1 20201224; JP 2020204141 A 20201224; US 11643757 B2 20230509; US 2020399792 A1 20201224

DOCDB simple family (application)

EP 20179126 A 20200610; CN 202010546117 A 20200616; DE 102019116475 A 20190618; JP 2020104338 A 20200617; US 202016904541 A 20200617