

Title (en)

BALANCING RING FOR COMPENSATING IMBALANCES OF A SPINNING MACHINE ROTOR

Title (de)

AUSWUCHTRING ZUM AUSGLEICH VON UNWUCHTEN EINES ROTORS EINER SPINNMASCHINE

Title (fr)

ANNEAU D'ÉQUILIBRAGE DESTINÉ À COMPENSER LES DÉSÉQUILIBRES D'UN ROTOR D'UN MÉTIER À FILER

Publication

**EP 3620559 A1 20200311 (EN)**

Application

**EP 18192453 A 20180904**

Priority

EP 18192453 A 20180904

Abstract (en)

The invention relates to a balancing ring (1) for compensating imbalances of a spinning machine rotor (2) with balance weight elements (4) guided by a circular guidance body (3) and a supporting element (5) for arranging the circular guidance body (3) coaxially to an axis of rotation of a spinning machine rotor (2). Additionally, the invention relates to a spinning machine rotor unit comprising at least one balancing ring as well as a method for compensation imbalances of a spinning machine rotor unit utilizing at least one balancing ring. To propose a balancing ring for compensating imbalances of a spinning machine rotor which can be easily and cost-efficiently produced and which is self-balancing without any external control, the balance weight elements (4) are movable along the full circumference of the circular guidance body (3).

IPC 8 full level

**D01H 4/12** (2006.01)

CPC (source: CN EP)

**D01H 4/08** (2013.01 - CN); **D01H 4/12** (2013.01 - EP)

Citation (applicant)

DE 2640111 A1 19780316 - TELDIX GMBH

Citation (search report)

- [XY] US 6212973 B1 20010410 - SOHN JIN-SEUNG [KR]
- [XYI] US 5845542 A 19981208 - HANNAH R CRAIG [CA], et al
- [Y] US 3747998 A 19730724 - KLEIN G, et al
- [Y] CN 202131412 U 20120201 - UNIV ZHEJIANG SCIENCE & TECH

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 3620559 A1 20200311**; BR 102019017721 A2 20200526; CN 110872735 A 20200310

DOCDB simple family (application)

**EP 18192453 A 20180904**; BR 102019017721 A 20190826; CN 201910822313 A 20190902