

Title (en)

RING SPINNING SYSTEM AND METHOD FOR OPERATING SAME

Title (de)

RINGSPINNANLAGE UND VERFAHREN ZU IHREM BETRIEB

Title (fr)

INSTALLATION À FILER À ANNEAUX ET PROCÉDÉ POUR SON FONCTIONNEMENT

Publication

EP 3802927 A1 20210414 (DE)

Application

EP 19727923 A 20190527

Priority

- CH 6742018 A 20180528
- CH 2019000016 W 20190527

Abstract (en)

[origin: WO2019227241A1] The invention relates to a method for operating a ring spinning system (1) which contains a ring spinning machine (2) with a plurality of spinning points (21) and a winding machine (3) with a plurality of winding points (31). Yarn (92) is spun on one of the spinning points (21) and is wound into a cop (91). Values of a spinning parameter are ascertained at different points in time during the winding process of the cop (91) and stored as spinning data. The cop is transported from the spinning point (21) to one of the winding points (31). The yarn (92) is rewound from the cop (91) onto a yarn bobbin (93) at the winding point (31). Values of a yarn parameter are ascertained at at least two different points in time during the rewinding process of the cop (91) and stored as yarn data. The spinning data and the yarn data are automatically assigned to each other so as to relate to the same yarn section. An operation is carried out on the ring spinning machine (2) on the basis of the mutually assigned spinning data and yarn data.

IPC 8 full level

D01H 13/14 (2006.01); **D01H 13/16** (2006.01); **D01H 13/26** (2006.01); **D01H 13/32** (2006.01)

CPC (source: EP US)

B65H 63/00 (2013.01 - EP); **D01H 1/02** (2013.01 - US); **D01H 13/14** (2013.01 - EP); **D01H 13/22** (2013.01 - US); **D01H 13/32** (2013.01 - EP US); **B65H 2701/31** (2013.01 - EP)

Citation (search report)

See references of WO 2019227241A1

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)

WO 2019227241 A1 20191205; **WO 2019227241 A8 20201210**; CN 112204179 A 20210108; CN 112204179 B 20230728; EP 3802927 A1 20210414; EP 3802927 B1 20231004; JP 2021526187 A 20210930; JP 7316303 B2 20230727; US 11319649 B2 20220503; US 2021148012 A1 20210520

DOCDB simple family (application)

CH 2019000016 W 20190527; CN 201980036481 A 20190527; EP 19727923 A 20190527; JP 2020566652 A 20190527; US 201915733760 A 20190527