

Title (en)

Textile machinery and periodic unevenness detecting method therein

Title (de)

Textilmaschine und Verfahren zur regelmäßigen Ungleichmäßigkeitserkennung dafür

Title (fr)

Machine textile et procédé de détection d'irrégularité périodique

Publication

EP 2687627 A1 20140122 (EN)

Application

EP 13173783 A 20130626

Priority

JP 2012147240 A 20120629

Abstract (en)

When a periodic unevenness of a drafted fiber bundle (8) is detected, a draft ratio in a draft device (7) is changed. Since a generation period of the periodic unevenness in the fiber bundle changes in accordance with a change in the draft ratio, a textile machinery detects the periodic unevenness under a plurality of different draft ratios, acquires the detection result, and inspects a change in the detection result. The periodic unevenness may be generated by a plurality of overlapped causes depending on generated positions of the periodic unevenness on the fiber bundle. In such a case, a position where the generation cause of the periodic unevenness may exist can be limited by changing the draft ratio and inspecting the change in the detection result.

IPC 8 full level

D01H 5/32 (2006.01); **D01H 13/22** (2006.01)

CPC (source: EP)

D01H 5/32 (2013.01); **D01H 13/22** (2013.01)

Citation (applicant)

JP S6253430 A 19870309 - MURATA MACHINERY LTD

Citation (search report)

- [X1] DE 102005019760 A1 20051222 - RIETER INGOLSTADT SPINNEREI [DE]
- [A] US 4491831 A 19850101 - SAKAI SHOJO [JP], et al
- [A] DE 4041106 A1 19920625 - SCHLAFHORST & CO W [DE]
- [AD] JP S6253430 A 19870309 - MURATA MACHINERY LTD

Cited by

EP3587636A1; EP3686330A1

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 2687627 A1 20140122; EP 2687627 B1 20180509; CN 103510217 A 20140115; CN 103510217 B 20161019; JP 2014009422 A 20140120

DOCDB simple family (application)

EP 13173783 A 20130626; CN 201310216880 A 20130603; JP 2012147240 A 20120629