

Title (en)

ROVING FRAME WITH A MONITORING SYSTEM

Title (de)

ROVING-RAHMEN MIT EINEM ÜBERWACHUNGSSYSTEM

Title (fr)

BANC À BROCHES DOTÉ D'UN SYSTÈME DE SURVEILLANCE

Publication

EP 3708700 A1 20200916 (EN)

Application

EP 19175743 A 20190521

Priority

IN 201941009831 A 20190313

Abstract (en)

The invention concerns a roving frame (1) for producing a roving (11) from a sliver (8) with a plurality of roving production positions (6) each comprising a drafting arrangement (10), a spindle (12) for receiving a bobbin (13) and a flyer (14) for winding up the roving (11) onto the bobbin (13). The roving frame (1) comprises a measurement set-up (19) with at least one measurement unit (4) arranged on each roving production position (6) between the delivery rollers (16, 17) of the drafting arrangement (10) and the flyer (14), wherein the plurality of measurement units (4) in each case contain at least one sensor (31), and the measurement set-up (19) is configured for continuously measuring at least one quality and/or production parameter of the roving (11) at each roving production position (6) by means of the measurement units (4).

IPC 8 full level

D01H 13/32 (2006.01); **D01H 7/50** (2006.01); **D01H 13/14** (2006.01); **D01H 13/22** (2006.01)

CPC (source: CN EP)

D01H 7/24 (2013.01 - EP); **D01H 13/1616** (2013.01 - EP); **D01H 13/22** (2013.01 - CN); **D01H 13/32** (2013.01 - CN EP)

Citation (applicant)

CN 205420658 U 20160803 - UNIV JIANGNAN

Citation (search report)

- [XY] US 2017101287 A1 20170413 - GRIESSHAMMER CHRISTIAN [CH]
- [XYI] EP 3293595 A1 20180314 - PREMIER EVOLVICS PVT LTD [IN]
- [Y] EP 2309042 A2 20110413 - MURATA MACHINERY LTD [JP]
- [Y] WO 2007010325 A1 20070125 - PREMIER EVOLVICS PVT LTD [IN], et al
- [A] JP H06101125 A 19940412 - TOYODA AUTOMATIC LOOM WORKS

Cited by

EP4190955A1; EP3757262A1

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 3708700 A1 20200916; CN 111691028 A 20200922

DOCDB simple family (application)

EP 19175743 A 20190521; CN 201910438789 A 20190524