

Title (en)
AN ELECTRONIC DEVICE FOR ADJUSTING OPERATIONAL PARAMETERS OF A WINDING MACHINE OF A SPINNING MILL AND A METHOD FOR ADJUSTING THE SAME

Title (de)
ELEKTRONISCHE VORRICHTUNG ZUR ANPASSUNG DER BETRIEBSPARAMETER EINER WICKELMASCHINE EINER SPINNEREI UND VERFAHREN ZUR ANPASSUNG DAVON

Title (fr)
DISPOSITIF ÉLECTRONIQUE PERMETTANT DE RÉGLER DES PARAMÈTRES OPÉRATIONNELS D'UNE MACHINE D'ENROULEMENT D'UN MOULIN À FILER À ET SON PROCÉDÉ DE RÉGLAGE

Publication
EP 4170076 A1 20230426 (EN)

Application
EP 21204177 A 20211022

Priority
EP 21204177 A 20211022

Abstract (en)
The disclosure relates to an electronic device (10) and a method for adjusting one or more operational parameters (op) of a winding machine (7, 7', 7'', ...) of a spinning and winding section (1) of a spinning mill, the spinning and winding section (1) including one or more spinning machines (5, 5', 5'', 5''', ...) and one or more winding machines (7, 7', 7'', ...) being configured to produce cops (6) with wound yarn, the one or more winding machines (7, 7', 7'', ...) being configured to receive cops (61, 63, 65, 68, ...) with wound yarn produced by the one or more spinning machines (5, 5', 5'', 5''', ...) to produce yarn bobbins (8) with rewound yarn. The electronic device (10) is configured to determine a quality measure (qm) of one or more of the produced cops (6) based on winding parameters (wp) of the one or more winding machines (7, 7', 7'', ...) and based on spinning parameters (sp) of the one or more spinning machines (5, 5', 5'', 5''', ...), to determine adjustment information (ai) related to the quality measure (qm) of the one or more of the produced cops (6), and to adjust one or more operational parameters (op) of at least one of the winding machines (7, 7', 7'', ...) based on the adjustment information (ai).

IPC 8 full level
B65H 63/00 (2006.01); **D01H 13/32** (2006.01)

CPC (source: EP)
B65H 63/00 (2013.01); **D01H 13/32** (2013.01); **B65H 2701/31** (2013.01)

Citation (applicant)
• WO 2012051730 A1 20120426 - USTER TECHNOLOGIES AG [CH], et al
• WO 2019227241 A1 20191205 - USTER TECHNOLOGIES AG [CH]
• EP 3549892 A1 20191009 - MURATA MACHINERY LTD [JP]

Citation (search report)
• [A] EP 3549893 A1 20191009 - MURATA MACHINERY LTD [JP]
• [A] US 5046013 A 19910903 - UEDA YUTAKA [JP], et al
• [A] WO 2018096427 A2 20180531 - RIETER AG MASCHF [CH]

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

Designated validation state (EPC)
KH MA MD TN

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DOCDB simple family (application)
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