

Title (en)

PRODUCTIVITY DISPLAY CONTROL DEVICE, METHOD THEREOF, AND AUTOMATIC WINDER

Title (de)

PRODUKTIVITÄTSANZEIGESTEUERUNGSVORRICHTUNG, VERFAHREN DAFÜR UND AUTOMATISCHER WICKLER

Title (fr)

DISPOSITIF DE COMMANDE D'AFFICHAGE DE PRODUCTIVITÉ, PROCÉDÉ ASSOCIÉ ET ENROULEUR AUTOMATIQUE

Publication

EP 3409626 B1 20210630 (EN)

Application

EP 18172709 A 20180516

Priority

JP 2017099429 A 20170519

Abstract (en)

[origin: EP3409626A1] A productivity display control device (40,50) to be provided in a yarn winding machine (1) including a plurality of winding units (10) each of which includes a yarn feeder (11) that supplies yarn (Y), a winding device (16) that winds the yarn (Y) supplied from the yarn feeder (11) to form a package, and a clearer (15) that detects a yarn defect of the yarn (Y) between the yarn feeder (11) and the winding device (16) and determines whether to remove the yarn defect based on a set clearing condition. The productivity display control device (40,50) includes an arithmetic unit (47,57) that calculates productivity of the yarn winding machine (1) based on a winding condition set in the yarn winding machine (1), operation data of the yarn winding machine (1), and the number of removals of the yarn defects removed based on the clearing condition, and includes a display controller (48,58) that causes a display device to display information concerning the productivity calculated by the arithmetic unit (47,57).

IPC 8 full level

B65H 54/26 (2006.01); **B65H 54/72** (2006.01); **B65H 63/036** (2006.01)

CPC (source: CN EP)

B65H 63/00 (2013.01 - CN); **B65H 67/06** (2013.01 - EP); **B65H 67/063** (2013.01 - EP); **D01H 9/18** (2013.01 - EP); **B65H 2701/31** (2013.01 - CN EP)

Cited by

EP3653553A1; EP3696637A1; WO2020170097A1; US11977371B2

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DOCDB simple family (publication)

EP 3409626 A1 20181205; **EP 3409626 B1 20210630**; CN 108946326 A 20181207; CN 108946326 B 20210430; CN 110494380 A 20191122; CN 110494380 B 20220325; EP 3626660 A1 20200325; EP 3626660 A4 20210505; EP 3626660 B1 20230712; JP 2018193198 A 20181206; WO 2018212293 A1 20181122

DOCDB simple family (application)

EP 18172709 A 20180516; CN 201810444302 A 20180510; CN 201880024721 A 20180517; EP 18802240 A 20180517; JP 2017099429 A 20170519; JP 2018019156 W 20180517