

Title (en)

A REWINDING MACHINE AND A WINDING METHOD FOR A WEB OF ABSORBENT SUBSTRATE

Title (de)

AUFWICKLUNGSMASCHINE UND WICKELVERFAHREN FÜR EINE BAHN AUS SAUGFÄHIGEM SUBSTRAT

Title (fr)

MACHINE DE RÉENROULEMENT ET PROCÉDÉ D'ENROULEMENT POUR UNE BANDE DE SUBSTRAT ABSORBANT

Publication

EP 3221244 A1 20170927 (EN)

Application

EP 14838866 A 20141118

Priority

IB 2014003093 W 20141118

Abstract (en)

[origin: WO2016079562A1] A rewinding machine (5) arranged to wind a web of absorbent substrate (11) into multiple logs (30) comprising a perforating module (20), a cutting module (21), a winding module (22) and a control module (50), the web of absorbent substrate (11) travelling into said modules according to a machine direction (MD), wherein the perforating module (20) is arranged to provide the web of absorbent substrate (11) with regularly spaced perforation lines (28, 38) substantially transversally orientated relatively to the machine direction (MD), wherein the cutting module (21) is arranged to sever the web of absorbent substrate (11) substantially transversally relatively to the machine direction (MD), wherein the winding module (22) is arranged to wind the web of absorbent substrate (11) so as to produce logs (30) of web of absorbent substrate, and wherein the control module (50) is coupled to the perforating module (20) and to the cutting module (21) and controls said modules operations such that: - at a transition phase (At) between two consecutive logs (30), the control module (50) deactivate the perforating module (20) and activate the cutting module (21), and - out of transition phases (At), the control module (50) activate the perforating module (20) and deactivate the cutting module (21).

IPC 8 full level

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CPC (source: CN EP US)

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Citation (search report)

See references of WO 2016079562A1

Designated contracting state (EPC)

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Designated extension state (EPC)

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WO 2016079562 A1 20160526; AU 2014411545 A1 20170525; AU 2014411545 B2 20170629; CN 107000951 A 20170801; CO 2017004778 A2 20170728; EP 3221244 A1 20170927; MX 2017006360 A 20171113; RU 2017121094 A 20181219; RU 2017121094 A3 20181219; US 2017320690 A1 20171109

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