

Title (en)

Buffer device or system and system for producing a non-woven strip

Title (de)

Puffervorrichtung und -system sowie Produktionssystem einer Vliesstoffbahn

Title (fr)

Dispositif ou système tampon et système de production d'une bande de non-tissé

Publication

EP 2128314 A3 20100120 (FR)

Application

EP 09370008 A 20090428

Priority

FR 0802376 A 20080428

Abstract (en)

[origin: EP2128314A2] A buffer device (2), supplied with a non-woven strip (N) at a specific, possibly non-constant, first linear speed (V1(t)), comprises (a) a transporter (20) with a strip take-up zone (Zr) for transporting the strip at a (possibly different) second linear speed (V2(t)) and (b) an automatic regulator (21) for adjusting the height of the take-up zone as function of the difference between the speeds, so that the path length for the strip is automatically regulated. An independent claim is included for a continuous non-woven strip production system, comprising: (A) an upstream machine (1) for delivering the strip (N) at the first linear speed (V1(t)); and (B) a buffer device (2) as above, positioned at the outlet of the upstream machine.

IPC 8 full level

D01G 25/00 (2006.01); **D01G 15/46** (2006.01); **D04H 1/70** (2006.01); **D04H 1/72** (2006.01); **D04H 1/74** (2006.01)

CPC (source: EP)

D01G 15/46 (2013.01); **D01G 25/00** (2013.01); **D04H 1/74** (2013.01)

Citation (search report)

- [AD] US 2003033691 A1 20030220 - BERNHARDT SIEGFRIED [DE], et al
- [A] US 5590442 A 19970107 - HIRSCHEK HERWIG [DE], et al
- [A] EP 1897979 A2 20080312 - ASSELIN THIBEAU [FR]
- [A] EP 1643022 A1 20060405 - AUTEFA AUTOMATION GMBH [DE]

Cited by

CN114683672A; EP3360990A1

Designated contracting state (EPC)

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 SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

FR 2930563 A1 20091030; **FR 2930563 B1 20100430**; AT E501288 T1 20110315; DE 602009000824 D1 20110421; EP 2128314 A2 20091202; EP 2128314 A3 20100120; EP 2128314 B1 20110309; EP 2128314 B9 20110907

DOCDB simple family (application)

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