

Title (en)

Device for maintaining a constant tension on a web material

Title (de)

Vorrichtung zur Aufrechterhaltung einer konstanten Zugspannung auf eine Materialbahn

Title (fr)

Dispositif pour maintenir une tension constante dans un materiau en bande

Publication

EP 1960298 B1 20091021 (DE)

Application

EP 06829454 A 20061208

Priority

- EP 2006011860 W 20061208
- DE 102005058964 A 20051209

Abstract (en)

[origin: US2007131814A1] The invention relates to an apparatus for maintaining a constant tension on a web of material, in particular on a label web used in a labeling machine (E), said apparatus comprising: a stationary rotary axle device (30) with a geometric rotational axis (M) and a tension compensation device (40) rotatable from a starting position about said rotational axis (M) of said rotary axle device (30), said tension compensation device (40) comprising a force unit (60) which exerts a force on the tension compensation device (40) that counteracts the rotational movement of the tension compensation device (40) from the starting position. It is further provided that the force applied by the force unit (60) is a linear force acting on the tension compensation device (40) at a force application point (65) with a radial spacing to the rotational axis (M) of the rotary axle device (30).

IPC 8 full level

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CPC (source: EP US)

B65H 20/26 (2013.01 - EP US); **B65H 23/16** (2013.01 - EP US); **B65H 23/26** (2013.01 - EP US)

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DOCDB simple family (publication)

US 2007131814 A1 20070614; **US 7543773 B2 20090609**; AT E446269 T1 20091115; CA 2633089 A1 20070614; CA 2633089 C 20150428; CA 2881146 A1 20070614; DE 102005058964 A1 20070614; DE 502006005215 D1 20091203; EP 1960298 A1 20080827; EP 1960298 B1 20091021; WO 2007065710 A1 20070614

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