

Title (en)

Horizontal strip accumulator with slim strip supporting carriages and passive central hooking system

Title (de)

Horizontaler Bandspeicher mit Dünnbandtrageschlitten und passivem zentralen Hakensystem

Title (fr)

Accumulateur à bande horizontale de chariots de support à bande mince et système d'accrochage central passif

Publication

**EP 2759350 A1 20140730 (EN)**

Application

**EP 13152589 A 20130124**

Priority

EP 13152589 A 20130124

Abstract (en)

A horizontal strip accumulator installation (1) in a continuous strip processing line, comprising a looping carriage riding on a pair of external rails (5), with a plurality of strip supporting carriages (2), each comprising a vertical frame (3) disposed on two wheels (4) riding on the same external rails (5), characterised in that the vertical frame (3) is connected on each side of the strip to inclined brackets (8) provided with guiding cam rollers (12) riding in respective guiding profiles or girders (9) located under the rails (5), so as to guide the strip supporting carriage (2) on the external rails (5) in an anti-tilting-over manner. The system has an automatic central hooking and unhooking system for the distribution of the strip supporting carriages as well as a maintaining device at their dedicated locations.

IPC 8 full level

**B21C 49/00** (2006.01); **B65H 20/32** (2006.01)

CPC (source: EP RU)

**B21C 49/00** (2013.01 - EP RU); **B65H 20/32** (2013.01 - EP); **B65H 2408/21** (2013.01 - EP); **B65H 2701/173** (2013.01 - EP)

Citation (applicant)

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Citation (search report)

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CN111050940A

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

DOCDB simple family (publication)

**EP 2759350 A1 20140730**; **EP 2759350 B1 20180613**; BE 1021584 B1 20151216; CN 104918724 A 20150916; CN 104918724 B 20170329; ES 2686371 T3 20181017; IN 6482DEN2015 A 20150731; RU 2015134306 A 20170303; RU 2644088 C2 20180207; RU 2644088 C9 20180329; WO 2014114561 A1 20140731

DOCDB simple family (application)

**EP 13152589 A 20130124**; BE 201300213 A 20130327; CN 201480004843 A 20140117; EP 2014050855 W 20140117; ES 13152589 T 20130124; IN 6482DEN2015 A 20150723; RU 2015134306 A 20140117