

Title (en)

Device for positioning a flat element in an entrance station of a processing machine

Title (de)

VORRICHTUNG ZUR POSITIONIERUNG EINES PLATTENELEMENTS IN EINER EINSPEISESTATION EINER VERARBEITUNGSMASCHINE

Title (fr)

DISPOSITIF DE POSITIONNEMENT D'UN ELEMENT EN PLAQUE DANS UNE STATION D'INTRODUCTION D'UNE MACHINE DE TRAITEMENT

Publication

EP 2391566 A1 20111207 (FR)

Application

EP 10700708 A 20100114

Priority

- EP 2010000170 W 20100114
- EP 09001392 A 20090202
- EP 10700708 A 20100114

Abstract (en)

[origin: WO2010086087A1] The invention relates to a device for positioning a plate element (7a, 7b, 7c) in an insertion station of a machine for processing the element, provided with a conveyor (8, 9), gripping the element (7a, 7b, 7c) located in a predetermined intermediate position, and transporting the element (7a, 7b, 7c) in a rhythmic movement through consecutive processing stations, including: - a means (18) for temporarily holding the element (7a, 7b, 7c), moving longitudinally and alternating (A) between an upstream position and a downstream position, and vice versa, to grip the element (7a, 7b, 7c) in a rear position and move said element towards the intermediate position, and to return empty, - a motor (23) longitudinally moving the holding means (18) from the upstream position to the downstream position and vice-versa according to the rhythmic movement, and - a means for detecting a rear longitudinal position (27) of the element (7a, 7b, 7c) emitting a positioning signal. The motor (23) is capable of moving (A, Aa, Ab, Ac) the holding means (18) from the upstream position to various downstream positions according to the signal emitted by the detection means (27) so as to move the element (7a, 7b, 7c) from the rear position to the intermediate position.

IPC 8 full level

B65H 5/10 (2006.01); **B65H 9/10** (2006.01)

CPC (source: EP KR US)

B65H 5/10 (2013.01 - EP KR US); **B65H 9/10** (2013.01 - KR); **B65H 9/105** (2013.01 - EP US); **B65H 2511/20** (2013.01 - EP US); **B65H 2511/222** (2013.01 - EP US); **B65H 2801/42** (2013.01 - EP US)

Citation (search report)

See references of WO 2010086087A1

Cited by

DE102023119782B3; DE102023119785B3

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 SM TR

DOCDB simple family (publication)

WO 2010086087 A1 20100805; CN 102300794 A 20111228; CN 102300794 B 20150520; EP 2391566 A1 20111207; EP 2391566 B1 20150107; ES 2528940 T3 20150213; JP 2012516275 A 20120719; JP 5364174 B2 20131211; KR 101299908 B1 20130823; KR 20110112469 A 20111012; TW 201029909 A 20100816; TW I486299 B 20150601; US 2011286820 A1 20111124; US 8727346 B2 20140520

DOCDB simple family (application)

EP 2010000170 W 20100114; CN 201080006000 A 20100114; EP 10700708 A 20100114; ES 10700708 T 20100114; JP 2011546667 A 20100114; KR 20117020557 A 20100114; TW 99101738 A 20100122; US 201013145384 A 20100114