

Title (en)

Apparatus for inserting connecting elements into lateral and/or front sides of technical wood products

Title (de)

Vorrichtung zum Einsetzen von Verbindungselementen in die Stirn- und/oder Längsseiten technischer Holzprodukte

Title (fr)

Dispositif d'insertion d'éléments de liaison dans les faces frontales et/ou latérales de produits techniques en bois

Publication

EP 1674223 A1 20060628 (DE)

Application

EP 05090343 A 20051219

Priority

DE 102004062648 A 20041221

Abstract (en)

u The device comprises a store (5) for connection elements (4), a transfer arrangement (7) for transferring the connection element from the store to a pressing assembly (8, 13, 14). There may be an arrangement of counter-layers opposite the pressing assembly and one or more magazines (6) for receiving and intermediate layering from the store of connection elements to the transfer arrangement. The arrangement for the magazine may be on the longitudinal side of a transport system (1, 2) for the technical wooden product (3) above or below the transport plane of the wooden product. The store may be made up of a discharge, sorting, aligning and conveying system for pre-fabricated connection element to the transfer arrangement.

IPC 8 full level

B27M 3/04 (2006.01); **B27M 3/00** (2006.01)

CPC (source: EP US)

B27M 3/0066 (2013.01 - EP US); **B27M 3/04** (2013.01 - EP US); **E04F 15/02038** (2013.01 - EP US); **E04F 2201/0115** (2013.01 - EP US); **E04F 2201/0523** (2013.01 - EP US); **Y10T 29/49945** (2015.01 - EP US); **Y10T 29/5142** (2015.01 - EP US); **Y10T 29/53078** (2015.01 - EP US)

Citation (applicant)

- CH 24980 A 19030315 - SCHAUMBURG FRANZ [CH]
- DE 10034409 A1 20020124 - KRONOTEC AG [CH]

Citation (search report)

- [X] DE 142293 C 19030704 - WÄCHTER-LEUZINGER, A. [CH]
- [XP] EP 1582653 A1 20051005 - KRONOTEC AG [CH]
- [AD] CH 24980 A 19030315 - SCHAUMBURG FRANZ [CH]
- [AD] DE 10034409 A1 20020124 - KRONOTEC AG [CH]

Cited by

EP3478468A4; EP3492231A1; EP3478901A4; EP3558609A4; US10933592B2; US8650738B2; US11045933B2; US8091238B2; WO2009124517A1; WO2010001262A3; WO2007079845A1; US10828798B2; US9206611B2; US10953566B2; US11331824B2; EP2774735B1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1674223 A1 20060628; EP 1674223 B1 20080716; AT E401179 T1 20080815; AT E468953 T1 20100615; DE 102004062648 A1 20060706; DE 102004062648 B4 20060907; DE 502005004720 D1 20080828; DE 502005009659 D1 20100708; EP 1923184 A1 20080521; EP 1923184 B1 20100526; ES 2310317 T3 20090101; ES 2346476 T3 20101015; PL 1674223 T3 20081231; PL 1923184 T3 20101231; PT 1674223 E 20080917; PT 1923184 E 20100810; US 2006162814 A1 20060727; US 2010206435 A1 20100819; US 7730601 B2 20100608; US 7958618 B2 20110614

DOCDB simple family (application)

EP 05090343 A 20051219; AT 05090343 T 20051219; AT 07075912 T 20051219; DE 102004062648 A 20041221; DE 502005004720 T 20051219; DE 502005009659 T 20051219; EP 07075912 A 20051219; ES 05090343 T 20051219; ES 07075912 T 20051219; PL 05090343 T 20051219; PL 07075912 T 20051219; PT 05090343 T 20051219; PT 07075912 T 20051219; US 31470605 A 20051221; US 76644210 A 20100423