

Title (en)

MACHINE USING ANGULAR CLIPS TO JOINT FRAMES

Publication

**EP 0062012 A3 19840404 (EN)**

Application

**EP 82830062 A 19820318**

Priority

IT 6034781 U 19810324

Abstract (en)

[origin: EP0062012A2] Machine to joint frames which includes in mutual cooperation and coordination: - a containing framework (II) having a substantially rectangular shape and comprising a base equipped with shaped means (22) to position the frames to be jointed, - a clamping plate (12) which slides and is guided vertically by the upright sides (III) of said framework (II), - drive means (13) for the vertical movement of said clamping plate (12) which are secured to said framework (II) - and means (14) which apply the clips and comprise a store (16) for a pack of clips (115), a head (17) with a thrusting point (21) and means (18) to actuate said head (17) together with its point, whereby means (19) are provided which regulate the clamping position of said clamping plate (12). The machine to joint frames applies triangular clips (15-151) which have a special shape and are able to make a rigid joint even for small frames.

IPC 1-7

**B27F 7/02**

IPC 8 full level

**B27F 7/02** (2006.01)

CPC (source: EP)

**B27F 7/025** (2013.01)

Citation (search report)

- [X] US 2900638 A 19590825 - O'DELL O'KELLEY
- [X] US 2903699 A 19590915 - ANTHONY MAZZOLA
- [Y] US 3847321 A 19741112 - CHARLEZ R
- [X] US 3734381 A 19730522 - BLEVIO H
- [X] DE 2541452 A1 19761014 - MOTTA ALFREDO
- [X] US 2714208 A 19550802 - JENNY ROBERT W
- [X] DE 2919564 A1 19801127 - MOTTA ALFREDO
- [X] US 3431810 A 19690311 - BLACK HUGH
- [XD] FR 2318715 A1 19770218 - CASSESE ANTOINE [FR]
- [X] US 2987724 A 19610613 - RICHARD FERGUSON
- [A] US 2530626 A 19501121 - PAXTON GERALD C
- [A] US 2782673 A 19570226 - THEODORE PACKARD
- [A] US 2596181 A 19520513 - SODERBERG GUSTAVE J, et al
- [A] CH 224605 A 19421215 - KOEBERLE ALBERT [CH], et al

Cited by

EP0133404A1; FR2550121A1; US4817965A

Designated contracting state (EPC)

AT BE CH DE FR GB LI LU NL SE

DOCDB simple family (publication)

**EP 0062012 A2 19821006; EP 0062012 A3 19840404; IT 8160347 V0 19810324**

DOCDB simple family (application)

**EP 82830062 A 19820318; IT 6034781 U 19810324**