

Title (en)

AUTOMATIC ASSEMBLY SYSTEM AND METHOD

Title (de)

AUTOMATISCHE PALETTENMONTAGESYSTEM UND VERFAHREN

Title (fr)

SYSTÈME DE MONTAGE AUTOMATIQUE DE PALETTES ET PROCÉDÉ

Publication

EP 3868530 A1 20210825 (EN)

Application

EP 20382951 A 20201102

Priority

EP 20382951 A 20201102

Abstract (en)

Automatic assembly system for pallets formed of a plurality of runners and a deck, comprising a supply and positioning system; a framing and nailing area; a framing system and a nailer, in which the supply and positioning system supplies and positions the components of the pallet in the framing and nailing area, in which the framing system comprises movable actuation elements which frame the deck and the runners of the pallet using said movable actuation elements, and in which a nailing unit performs the function of nailing the runners to the deck, in which the movable actuation elements are arranged around the framing and nailing area and comprise pressure surfaces to frame the deck and a single runner of the pallet at the same time, without framing the rest of the runners, using said movable actuation elements.

IPC 8 full level

B27M 3/00 (2006.01)

CPC (source: EP)

B27M 3/0073 (2013.01); **B27F 7/02** (2013.01)

Citation (search report)

- [I] US 4489819 A 19841225 - PERRIN LLOYD E [US], et al
- [A] GB 2005181 A 19790419 - TRUE BROS MFG LTD

Cited by

CN114800734A

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 3868530 A1 20210825; **EP 3868530 B1 20220907**; ES 2927898 T3 20221111

DOCDB simple family (application)

EP 20382951 A 20201102; ES 20382951 T 20201102