

Title (en)

DEVICE FOR MECHANICALLY FASTENING ROOF SEALING FOILS AND INSULATING MATERIALS TO ROOFS

Publication

EP 0292604 B1 19911016 (DE)

Application

EP 87112391 A 19870826

Priority

DE 8707666 U 19870528

Abstract (en)

[origin: US4870750A] A method and corresponding apparatus accurately and efficiently fasten roofing materials to a roof. A first stroke of a piston both separates a single roofing screw from a roofing screw magazine and delivers it to a premounting position and separates a metal bracket from a metal bracket magazine and delivers it to a metal bracket premounting position. The second or return stroke places the screw and the metal bracket into respective mounting positions. A power screwdriver screws the screw through the metal bracket and the roofing materials placed on the roof and into the ceiling structure. The apparatus is mounted on a mobile frame to allow easy movement of the apparatus from fastening position to fastening position on the roof.

IPC 1-7

B25B 13/48; **B25B 23/04**; **E04D 15/04**

IPC 8 full level

B25B 13/48 (2006.01); **B25B 23/04** (2006.01); **E04D 15/04** (2006.01)

CPC (source: EP US)

B25B 23/04 (2013.01 - EP US); **E04D 15/04** (2013.01 - EP US); **E04D 2015/047** (2013.01 - EP US); **Y10T 29/53478** (2015.01 - EP US)

Citation (examination)

- US 2281190 A 19420428 - EDWARD BERTALAN, et al
- DE 3308630 A1 19840913 - SIGNODE CORP [US]

Cited by

WO9963181A1; EP0581247A1; EP0600283A1; DE19824726C1; DE19824725A1; DE19824725C2; WO9119061A1

Designated contracting state (EPC)

AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

US 4870750 A 19891003; AT E68546 T1 19911115; DE 3773915 D1 19911121; DE 8707666 U1 19871119; EP 0292604 A2 19881130; EP 0292604 A3 19890517; EP 0292604 B1 19911016

DOCDB simple family (application)

US 16198088 A 19880229; AT 87112391 T 19870826; DE 3773915 T 19870826; DE 8707666 U 19870528; EP 87112391 A 19870826