

Title (en)  
Screw apparatus for screwing a roofing

Title (de)  
Schraubenapparat für schrauben von Dachdeckungen

Title (fr)  
Appareil pour visser un élément de toit

Publication  
**EP 1550778 A3 20080109 (EN)**

Application  
**EP 04078495 A 20041223**

Priority  
NL 1025142 A 20031229

Abstract (en)  
[origin: EP1550778A2] A screw driving machine 1 is designed for screwing down roofing material 3 on a building's roof, in which washers are placed under the screw heads. The screw driving machine 1 has a frame 13 on which there is a movable carrier 15 for washers. This carrier 15 can be moved along a horizontal first guide 17 situated on the frame, and is provided with a stop against which a washer 21 can be positioned. There is also a washer holder 27 on the carrier 15 in which there is a stack 29 of washers. The screw driving machine 1, furthermore, has a screwing device 31 that can be moved along a second guide 33, situated vertically on the frame 13. Moreover, there is a means of placing 35 attached to the frame 13, for taking a washer from the washer holder 27 and placing it on the carrier 15. The means of placing 35 is a means of gripping 39, for gripping a washer, and an additional means of moving 41, in order to move the means of gripping. This means of gripping 39 is an electromagnet, which is fastened to the piston's free end.

IPC 8 full level  
**B25B 21/00** (2006.01); **B25B 23/04** (2006.01); **E04D 15/04** (2006.01)

CPC (source: EP)  
**B25B 21/002** (2013.01); **E04D 15/04** (2013.01); **E04D 2015/047** (2013.01)

Citation (search report)

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- [A] DE 4413039 C1 19950622 - IVT H BLANK [DE]
- [A] US 5058464 A 19911022 - MCGOVERN HUBERT T [US], et al
- [A] US 5673816 A 19971007 - LARSON PAUL M [US], et al

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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 MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
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DOCDB simple family (publication)  
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