

Title (en)  
SANDER MACHINE

Title (de)  
SCHLEIFMASCHINE

Title (fr)  
PONCEUSE

Publication  
**EP 4015146 A1 20220622 (EN)**

Application  
**EP 21213605 A 20211210**

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IT 202000030998 A 20201216

Abstract (en)

The present invention relates to a sander machine (1) for machining at least one panel (P) or other workpiece where are provided a first surface (L) which is substantially flat and a second surface (U), which is shaped, opposite said first surface (L), said sander machine (1) comprising: first moving means (7) for moving, in use, said at least one panel (P) or other workpiece to an operative zone according to an advancing direction (A); sanding means (10) placed at said operative zone and configured to sand, in use, said first surface (L) of said at least one panel (P) or other workpiece; a abutment member (11) which is movable according to an axis (Z) being transversal to said advancing direction (A) and placed above said sanding means (10) such that when said at least one panel (P) or other workpiece advance according to said advancing direction (A), said at least one panel (P) or other workpiece pass through the space comprised between said sanding means (10) and said abutment member (11) with said first surface (L) facing said sanding means (10) and with said second surface (U) facing said abutment member (11); actuating means for moving said abutment member (11) along said axis (Z); and a control unit which is configured to know the profile of said at least one panel (P) or other workpiece according to said axis (Z), which at any moments is between said sanding means (10) and said abutment member (11) when said at least one panel (P) or other workpiece advance along said advancing direction (A); said control unit being operatively connected with said actuating means such that said control unit controls, by said actuating means, the movement of said abutment member (11) along said axis (Z) based on the value of said profile, such as to allow said sanding means (10) to sand, in use, said first surface (L) in such a way as to achieve a higher planarity level of the first surface (L).

IPC 8 full level

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Citation (search report)

- [A] US 4384433 A 19830524 - VAN DER LINDEN JACOB A [BE]
- [A] US 2384777 A 19450911 - OTTO WESTMAN BROR
- [A] ES 2200653 A1 20040301 - GARCIA PEREZ MIGUEL ANGEL [ES]
- [A] US 4137673 A 19790206 - LA TOUR BARRY
- [A] FR 3043929 A1 20170526 - REICHMANN + SOHN GMBH [DE]
- [A] CN 104117891 A 20141029 - ZHEJIANG SUNFLOWER TECHNOLOGY CO LTD

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