

Title (en)
TRIANGULAR-SYSTEM BELT SANDER WITH BRUSH AND ANGLE GEAR

Title (de)
DREIECK-SYSTEM BANDSCHLEIFMASCHINE MIT BÜRSTE UND WINKELGETRIEBE

Title (fr)
TRIANGLE PONCEUSE À BANDE AVEC ENGRENAGE ANGULAIRE

Publication
EP 3508305 A1 20190710 (EN)

Application
EP 18425002 A 20180109

Priority
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Abstract (en)
The invented machinery is composed by the three components: belt unit, brush unit and table unit. It is the only one on the market that combines the single manual machine process with the abrasive belt and the automatic motion of the tangential brush. Through the insertion of an angle gearbox there is the possibility to perform even the head work. This machinery allows to carry out the main finishing processes on wood panels or other materials and to perform the main steps typical of the High Gloss Finish treatment: levelling and sanding with cross-belt, smoothing and polishing. Such a machinery allows to obtain a final result characterised by higher quality than the result obtained by traditional existing methods. Thus the invention permits the small and medium-size companies (the main niche market involved in the machinery purchasing) to impose itself on the market without having to turn to a large company in order to make the High Gloss Finish treatment or alternatively to make it independently with portable equipment.

IPC 8 full level
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B24B 7/28 (2013.01); **B24B 21/06** (2013.01); **B24B 29/005** (2013.01); **B24B 41/068** (2013.01)

Citation (search report)
• [I] WO 9323203 A1 19931125 - KUENDIG AG [CH], et al
• [A] EP 0471641 A2 19920219 - PANWOOD LTD [GB]
• [A] WO 2005056234 A1 20050623 - FLEX TRIM AS [DK], et al
• [A] US 4742650 A 19880510 - SAUDER JR H RICHARD [US], et al

Cited by
CN111975615A; CN110497276A; WO2022129233A3

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