

Title (en)
MULTI-BLADE TYPE WOODWORKING BIT

Title (de)
MEHRSCHEIDIGER HOLZBOHRER

Title (fr)
MÈCHE À BOIS DU TYPE À LAMES MULTIPLES

Publication
EP 3251808 A1 20171206 (EN)

Application
EP 16172537 A 20160601

Priority
EP 16172537 A 20160601

Abstract (en)
A multi-blade type woodworking bit (1) includes a driving section (11) for coupling with an external tool and a working section (12) in front of the driving section. The working section includes a first cutting section (13) and a second cutting section (14) behind the first cutting section. The first cutting section is conic and has a front pointed end (131). The first cutting section further includes at least two angularly spaced first dust discharge grooves (132). The second cutting section includes a shank portion (141) axially connected to a rear end of the first cutting section. At least two angularly spaced blades (142) extend radially from the shank portion (141). Each blade includes a front cutting end (143). A rear end of each first dust discharge groove is located between a pair of blades (142). A second dust discharge groove is formed between each pair of blades and has a width larger than a width of each first dust discharge groove, wherein the second cutting section generates rearward guiding air currents when the multiple-blade type woodworking bit rotates.

IPC 8 full level
B27G 15/00 (2006.01)

CPC (source: EP)
B27G 15/00 (2013.01)

Citation (search report)
• [X] US 2001031180 A1 20011018 - VASUDEVA KAILASH C [CA], et al
• [X] US 949126 A 19100215 - LYONS MICHAEL H [US]
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• [A] WO 8801214 A1 19880225 - BLACK & DECKER INC [US]
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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

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