

Title (en)  
Tool holder for percussion tool

Title (de)  
Handwerkzeugmaschine mit Schlagwerkzeugaufnahme

Title (fr)  
Porte-outil pour outil à percussion

Publication  
**EP 1852223 A3 20130102 (DE)**

Application  
**EP 07106821 A 20070424**

Priority  
DE 102006000209 A 20060505

Abstract (en)  
[origin: EP1852223A2] Hand machine tool comprises a free space (8) closed from the outside by a seal (9) arranged between an outer housing (6) and a tool holder (3). The free space is connected to the inside via an air opening (10) in the working spindle (4). Preferred Features: The air opening of the working spindle is arranged on the tool side in front of the reverse point of the riveting header (5). The seal is formed as an annular membrane seal which extends completely over an annular gap (11) lying next to the free space and formed between the outer housing and the tool holder.

IPC 8 full level  
**B25D 17/08** (2006.01); **B25D 17/00** (2006.01); **B25D 17/20** (2006.01)

CPC (source: EP US)  
**B25D 17/088** (2013.01 - EP US); **B25D 17/20** (2013.01 - EP US); **B25D 2217/0061** (2013.01 - EP US); **B25D 2217/0069** (2013.01 - EP US); **B25D 2250/365** (2013.01 - EP US)

Citation (search report)

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- [A] EP 1252976 A1 20021030 - BLACK & DECKER INC [US]
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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 LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK RS

DOCDB simple family (publication)  
**EP 1852223 A2 20071107**; **EP 1852223 A3 20130102**; **EP 1852223 B1 20140423**; CN 101066588 A 20071107; DE 102006000209 A1 20071115; JP 2007296634 A 20071115; JP 5032882 B2 20120926; US 2007261871 A1 20071115; US 8176997 B2 20120515

DOCDB simple family (application)  
**EP 07106821 A 20070424**; CN 200710101141 A 20070429; DE 102006000209 A 20060505; JP 2007121809 A 20070502; US 80048707 A 20070503