

Title (en)  
Improvements in or relating to pneumatic tools.

Title (de)  
Verbesserungen an pneumatischen Werkzeugen.

Title (fr)  
Améliorations des outils pneumatiques.

Publication  
**EP 0440399 A1 19910807 (EN)**

Application  
**EP 91300632 A 19910128**

Priority  
• GB 9001904 A 19900127  
• GB 9005683 A 19900314

Abstract (en)  
A pneumatic reciprocating tool comprises a cylinder body (12) and an air-operated piston (110) which reciprocates within said cylinder body during sustained use of said tool, air being exhausted from an exhaust port (24) in said cylinder body during such use. The pneumatic tool includes a silencer arrangement (126) substantially totally surrounding said cylinder body and formed of a length of metallic structural hollow section. Mounting means (128), (130) for mounting said silencer arrangement on said pneumatic tool are also provided and optionally include a vibration reducing arrangement. <IMAGE>

IPC 1-7  
**B25D 17/11**; **B25D 17/24**

IPC 8 full level  
**B25D 17/12** (2006.01); **B25D 17/11** (2006.01); **B25D 17/24** (2006.01)

CPC (source: EP)  
**B25D 17/11** (2013.01); **B25D 17/24** (2013.01)

Citation (search report)  
• [X] FR 2388646 A1 19781124 - MACO MEUDON SA [FR]  
• [X] CH 413756 A 19660531 - CLARKE RONALD ALBERT WILLIAM [GB]  
• [X] FR 2209311 A5 19740628 - MACO MEUDON SA [FR]  
• [X] EP 0194347 A1 19860917 - WACKER WERKE KG [DE]  
• [A] FR 1353634 A 19640228 - MEUDON FORGES ATEL  
• [A] DE 3440530 A1 19850509 - HENZE HEINRICH

Cited by  
CN109508490A; GB2411375A; GB2411375B; US8720599B2; WO03009974A1; JP2014018887A

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