

Title (en)  
PNEUMATICALLY DRIVEN APPARATUS

Publication  
**EP 0077182 A3 19840711 (EN)**

Application  
**EP 82305341 A 19821007**

Priority  
US 31000881 A 19811013

Abstract (en)  
[origin: EP0077182A2] A pneumatically driven tool includes a hollow housing (18) in which is located an air motor including a rotatable motor shaft (20) arranged to drive a tool such as a screwdriver, socket wrench via a tool drive shaft (22). A torque-sensitive clutch (24) is located between the tool drive shaft (22) and the motor shaft (20) permitting the motor shaft (20) to move relative to the tool drive shaft (22) when a predetermined torque is encountered. A valve (14) located in the housing (18) between the motor and the air supply source controls the flow of pressurised air to the motor. The valve (14) is controlled by an elongated valve operating member (54) having a first end (56) engaging the valve and having a second end (58). A latch member (62) is pivotally mounted on the tool drive shaft (22) and has a surface (60) thereon that engages the second end (58) of the valve operating member (54). A hole (76) formed in the latch member (62) is sized to receive the end of the elongated valve operating member (54). Normally the hole (76) is not in alignment with the valve operating member (54) and, thus, the valve (14) is held in the open position. Upon relative rotation as previously mentioned, the latch member (62) is cammed to a position so that the hole (76) aligns with the valve operating member (54) permitting the valve (14) to close.

IPC 1-7  
**B25B 23/145**

IPC 8 full level  
**B25B 23/14** (2006.01); **B25B 23/145** (2006.01)

CPC (source: EP)  
**B25B 23/145** (2013.01)

Citation (search report)  
• [AD] US 4154308 A 19790515 - ECKMAN RICHARD E [US], et al  
• [A] DE 2409815 A1 19750911 - BOSCH GMBH ROBERT  
• [A] US 3477521 A 19691111 - KIESTER GEORGE S, et al  
• [A] GB 2040768 A 19800903 - DRESSER IND

Designated contracting state (EPC)  
BE DE FR GB IT LU NL SE

DOCDB simple family (publication)  
**EP 0077182 A2 19830420; EP 0077182 A3 19840711; AR 228918 A1 19830429; JP S5877459 A 19830510**

DOCDB simple family (application)  
**EP 82305341 A 19821007; AR 29072782 A 19820921; JP 17693082 A 19821007**