

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.

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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)
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