

Title (en)

Multibit hand tool with improved chuck arrangement.

Publication

EP 0185468 A1 19860625 (EN)

Application

EP 85308386 A 19851118

Priority

CA 469437 A 19841205

Abstract (en)

A multibit hand tool has a plurality of bits (20) provided in a circular pattern within a handle (12). A rotatable selector cup (18) at the end of the handle permits selection of a desired bit (20) and its placement in a chuck (116) in the handle. An elongate slot is provided in the cup to permit manipulation of the bit. The improvement in this hand tool arrangement comprises an adaptation to the chuck (116) and bit ends so that the selected bit end is readily placed within the chuck. This feature is accomplished by providing a number of operative faces (172) on the bit end equal to or a multiple of the number of bits (20) provided in the handle. Similarly, the chuck has a bore presenting a corresponding plurality of internal operative faces for engaging the bit end.

IPC 8 full level

B25B 15/00 (2006.01); **B25G 1/00** (2006.01); **B25G 1/08** (2006.01); **B25G 1/10** (2006.01); **B25G 3/00** (2006.01)

CPC (source: EP KR)

B25G 1/08 (2013.01 - KR); **B25G 1/085** (2013.01 - EP)

Citation (search report)

- [AD] US 4463788 A 19840807 - CORONA ANTONIO [CA], et al
- [A] US 3405749 A 19681015 - BUTLER RICHARD G
- [A] DE 951860 C 19561108 - PAUL RADERSCHAD
- [A] FR 2408434 A1 19790608 - PERSONNAT PATRICE [MC]
- [A] US 4372361 A 19830208 - WHITEFORD CARL [US]

Cited by

CN109676559A; DE8703265U1; EP0330870A3; EP0359030A3

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