

Publication

**EP 0543815 A4 19940330**

Application

**EP 91904356 A 19910201**

Priority

- US 9100709 W 19910201
- US 56729090 A 19900814
- US 63882891 A 19910108

Abstract (en)

[origin: WO9203261A1] An adjustable wrench having a housing (12) with a handle (14) and having a plurality of jaws (70) that extend out the bottom of the housing and move radially with respect to one another. The housing (12) contains a control disk (28) which may be locked to the housing (12) to prevent the jaws (70) from turning with respect to the housing (12). A jaw (70) adjusting disk (80) is disposed beneath the control disk (28) and extends out the bottom of the housing (12). The adjusting disk (80) contains cams (92, 100) that open and close the jaws (70) depending upon the direction of rotation of the adjusting disk (80).

IPC 1-7

**B25B 13/46**

IPC 8 full level

**B25B 13/44** (2006.01); **B25B 13/46** (2006.01); **B25B 21/00** (2006.01)

CPC (source: EP)

**B25B 13/44** (2013.01); **B25B 13/463** (2013.01); **B25B 13/466** (2013.01); **B25B 13/467** (2013.01); **B25B 21/004** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

DE ES FR GB IT SE

DOCDB simple family (publication)

**WO 9203261 A1 19920305**; DE 69131896 D1 20000210; DE 69131896 T2 20000615; EP 0543815 A1 19930602; EP 0543815 A4 19940330; EP 0543815 B1 20000105; ES 2140387 T3 20000301

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