

Title (en)
Self-centering tool holder.

Title (de)
Selbstzentrierender Werkzeughalter.

Title (fr)
Porte-outil autocentrant.

Publication
EP 0030828 A1 19810624 (EN)

Application
EP 80304392 A 19801205

Priority
US 10067979 A 19791205

Abstract (en)
A tool holder for a remotely operated and positioned tool which permits lateral and pivotal motion of the tool for self-centering capability.

IPC 1-7
B25J 5/00

IPC 8 full level
B23Q 3/12 (2006.01); **B25B 25/00** (2006.01); **F22B 37/00** (2006.01)

CPC (source: EP KR)
B25B 25/00 (2013.01 - KR); **F22B 37/005** (2013.01 - EP)

Citation (search report)

- FR 2351242 A1 19771209 - HAWERA PROBST GMBH [DE]
- US 4202557 A 19800513 - HAUSSMANN AUGUST [DE], et al
- GB 2005760 A 19790425 - CHARBONNAGES DE FRANCE
- EP 0006339 A1 19800109 - WESTINGHOUSE ELECTRIC CORP [US]
- US 4018346 A 19770419 - LESHEM ADAM, et al
- EP 0007491 A1 19800206 - KRAFTWERK UNION AG [DE]

Cited by
CN104245194A; US5328222A; EP0190957A1; FR2576239A1; DE19513460C1; EP0391778A1; FR2645328A1; US5133925A; US9586269B2; WO2013131151A1; WO9108871A3

Designated contracting state (EPC)
BE CH DE FR GB LI SE

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EP 0030828 A1 19810624; CA 1152307 A 19830823; ES 497466 A0 19820116; ES 8202179 A1 19820116; JP S5689452 A 19810720; KR 830004071 A 19830706; KR 850000008 B1 19850208; YU 305980 A 19830228

DOCDB simple family (application)
EP 80304392 A 19801205; CA 365268 A 19801121; ES 497466 A 19801204; JP 17108580 A 19801205; KR 800004569 A 19801129; YU 305980 A 19801203