

Title (en)
Rock drilling rig.

Title (de)
Gesteinsbohrgerät.

Title (fr)
Equipement de forage pour roche.

Publication
EP 0434652 A1 19910626 (EN)

Application
EP 90850386 A 19901128

Priority
SE 8904273 A 19891220

Abstract (en)
A rock drilling rig comprising a first boom member (12) connected to a carrier (11) by a universal joint (13) and a second boom member (14) being longitudinally displaceable relative to the first boom member by a hydraulic cylinder (18) inside the second boom member. The external surface of the hydraulic cylinder is provided with lands (25) and intervening grooves (26) into which ridges (27) on second boom member (14) extend. A rotary motor (17) at the rear end of first boom member (12) rotates the second boom member by rotating the hydraulic cylinder. <IMAGE>

IPC 1-7
E21B 7/02

IPC 8 full level
E21B 7/02 (2006.01); **E21B 15/00** (2006.01); **E21B 19/08** (2006.01)

CPC (source: EP)
E21B 7/022 (2013.01); **E21B 7/025** (2013.01)

Citation (search report)
• [A] US 3226064 A 19651228 - THOMPSON CHARLES T
• [A] GB 2119441 A 19831116 - DOWTY HYDRAULIC UNITS LTD
• [A] BE 527878 A
• [A] EP 0016717 A1 19801001 - MONTABERT ETS [FR]
• [A] AU 528751 A
• [A] GB 2103969 A 19830302 - FURUHOLMEN AS [NO]
• [A] US 3020012 A 19620206 - MORACCO JOSEPH J, et al
• [A] DE 1805226 A1 19700514 - BOEHRER INH FRANZ SCHELL MASCH

Cited by
US8267194B2; WO2019048093A1; WO2019048094A1; CN111051646A; AU2018328654B2; US7268112B2; US12025003B2; CN111094687A; CN112459710A; AU2018328653B2; EP4144951A1; US7423017B2; US7947650B2; US8110548B2; WO2006096110A1; US9650437B2; EP3710394A4; EP4336014A3; US11661797B2; EP1856367B1; EP3805517A1; US11585154B2; WO2019118784A1; US11203933B2; US11668193B2; EP1989393B1; EP1856584B1; EP1856584B2

Designated contracting state (EPC)
CH DE FR IT LI SE

DOCDB simple family (publication)
EP 0434652 A1 19910626; **EP 0434652 B1 19941130**; CA 2031559 A1 19910621; DE 69014574 D1 19950112; DE 69014574 T2 19950524; FI 906280 A0 19901219; FI 906280 A 19910621; JP H04221192 A 19920811; SE 500903 C2 19940926; SE 8904273 D0 19891220; SE 8904273 L 19910621

DOCDB simple family (application)
EP 90850386 A 19901128; CA 2031559 A 19901205; DE 69014574 T 19901128; FI 906280 A 19901219; JP 40129690 A 19901211; SE 8904273 A 19891220