

Title (en)

SAFETY ARRANGEMENT ON HYDRAULIC PISTON-CYLINDER UNITS

Title (de)

SICHERHEITSEINRICHTUNG AN HYDRAULISCHEN KOLBEN-ZYLINDER-EINHEITEN

Title (fr)

SYSTEME DE SECURITE MONTE SUR DES UNITES HYDRAULIQUES PISTON-CYLINDRE

Publication

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Application

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Priority

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- AT 44894 A 19940302

Abstract (en)

[origin: US5727442A] PCT No. PCT/AT95/00037 Sec. 371 Date Nov. 2, 1995 Sec. 102(e) Date Nov. 2, 1995 PCT Filed Feb. 21, 1995 PCT Pub. No. WO95/23925 PCT Pub. Date Sep. 8, 1995The invention relates to a safety arrangement on hydraulic piston-cylinder units. In particular for monitoring locking cylinders, e.g., of operating tools mounted on a grab bucket boom. A sensor for monitoring the piston position is provided on the piston-cylinder unit and is coupled electrically to a monitoring circuit for triggering an alarm arrangement if the piston is incorrectly positioned. The sensor (3) is coupled to an electrically actuatable locking valve (2) coupled in the monitoring circuit (9) for controlling the hydraulic piston-cylinder unit (1).

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WO 9523925 A1 19950908; AT 401785 B 19961125; AT A44894 A 19960415; AT E193101 T1 20000615; CA 2161972 A1 19950908; DE 59508343 D1 20000621; EP 0702756 A1 19960327; EP 0702756 B1 20000517; JP H09500438 A 19970114; US 5727442 A 19980317

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