

Title (en)

Safety switch system for slip-type elevators

Title (de)

Sicherheitsschaltssystem für Rohrspanngeräte

Title (fr)

Système de commutation de sécurité pour élévateurs du type à coin de retenue

Publication

**EP 0887510 B1 20031001 (DE)**

Application

**EP 97110337 A 19970625**

Priority

EP 97110337 A 19970625

Abstract (en)

[origin: EP0887510A1] The invention relates to a safety switching system for a clamping device used for holding and/or lowering and raising a line of pipes (13) lining a borehole. Said safety switching system is mounted inside the clamping device, where it is protected from external mechanical influences. To this end, a shift cam (18) for a safety shift valve (1, 2) is fastened to the clamping wedge support (14a, 14b) of the clamping device. This valve is mounted on the base (10) of the clamping device, and cooperates with the shift cam when the clamping wedges (12a, 12b) adopt their prescribed clamping position on the line of pipes.

IPC 1-7

**E21B 19/07**

IPC 8 full level

**E21B 19/07** (2006.01)

CPC (source: EP US)

**E21B 19/07** (2013.01 - EP US)

Cited by

GB2377233A; GB2377233B; GB2357530A; GB2357530B

Designated contracting state (EPC)

AT DE FR GB IT NL

DOCDB simple family (publication)

**EP 0887510 A1 19981230; EP 0887510 B1 20031001**; AT E251269 T1 20031015; AU 730734 B2 20010315; AU 8439598 A 19990119; CA 2293294 A1 19990107; CA 2293294 C 20061212; DE 59710808 D1 20031106; NO 312851 B1 20020708; NO 990901 D0 19990225; NO 990901 L 19990225; US 6386282 B1 20020514; WO 9900577 A1 19990107

DOCDB simple family (application)

**EP 97110337 A 19970625**; AT 97110337 T 19970625; AU 8439598 A 19980620; CA 2293294 A 19980620; DE 59710808 T 19970625; EP 9803779 W 19980620; NO 990901 A 19990225; US 44579500 A 20000307