Title (en)

APPARATUS AND METHOD FOR RAISING AND LOWERING A PISTON IN A PISTON-CYLINDER ARRANGEMENT IN A DERRICK

Title (de)

VORRICHTUNG UND VERFAHREN ZUM HEBEN UND SENKEN EINES KOLBENS IN EINER KOLBEN-ZYLINDER EINHEIT IN EINEM BOHRMAST

Title (fr)

EQUIPEMENT ET PROCEDE DE HISSAGE ET DE DESCENTE D'UN JOUG A L'AIDE D'UN ENSEMBLE PISTON-CYLINDRE, DANS UN DERRICK

Publication

EP 0868593 B1 20040303 (EN)

Application

EP 96943394 A 19961218

Priority

• NO 9600294 W 19961218
• NO 955271 A 19951222

Abstract (en)

[origin: WO9723706A1] An apparatus for a derrick, comprising two or more hydraulic piston/cylinder arrangements (10, 11) for raising and lowering a yoke (8) which travels on guide rails (7) in the derrick itself and a hydraulic system (30) for the operation of piston/cylinder arrangements (10, 11), where the hydraulic system has various modes of operation, normal raising or lowering of the yoke (i), use of the differential area of the piston (21) for rapid lowering or raising of the yoke (8) and, optionally, a combination of these with extra pressure provided from the accumulators (39).

IPC 1-7

E21B 19/02

IPC 8 full level

E21B 19/02 (2006.01); **E21B 15/00** (2006.01); **E21B 19/086** (2006.01)

CPC (source: EP KR)

E21B 15/00 (2013.01 - EP); **E21B 19/02** (2013.01 - KR); **E21B 19/086** (2013.01 - EP)

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WO 9723706 A1 19970703; AT E261054 T1 20040315; AU 1213397 A 19970717; CA 2240582 A1 19970703; CA 2240582 C 20050809; DE 69631788 D1 20040408; EP 0868593 A1 19981007; EP 0868593 B1 20040303; JP 2000502765 A 20000307; KR 19990076668 A 19991015; NO 302047 B1 19980112; NO 955271 D0 19951222; NO 955271 L 19970623

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