

Title (en)

Counter for registering the quantity of lifts of a crane

Title (de)

Zähler für Hebevorgänge von Kränen

Title (fr)

Compteur pour totaliser le nombre de levages d'une grue

Publication

EP 1150019 B1 20030813 (EN)

Application

EP 01104876 A 20010228

Priority

SE 0001608 A 20000428

Abstract (en)

[origin: EP1150019A1] A hydraulic crane (1) comprising an inner boom (5), a hydraulic cylinder (8) for operating the inner boom (5), and a pressure sensor (34) arranged to measure the pressure in the hydraulic cylinder (8), which crane (1) further comprises a means (36) connected to the pressure sensor (34), which means is adapted to register the lifting up and putting down of a load by detecting the velocity of the pressure variations in said cylinder (8), the means (36) being adapted to register a lifting up and a putting down, respectively, of a load when the velocity of a detected pressure variation exceeds a predetermined value. The invention also relates to a method for registration of the lifting up and the putting down of a load in a hydraulic crane (1) and a method for calculation of the fatigue stress of a hydraulic crane (1) based on the number of registered liftings up and puttings down of load. <IMAGE>

IPC 1-7

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IPC 8 full level

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CPC (source: EP)

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Cited by

EP1371853A1; CN102020201A; EP2298688A3; EP2982868A1; CN113479775A; EP3237692A4; CN109058232A; AU2014415547B2; EP3546414A1; EP1798188A3; EP1356910A1; US8793011B2; EP1798188A2

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