

Title (en)

TACKLE COMPOSITION DETECTOR OF A LIFTING DEVICE

Publication

EP 0004818 B1 19811014 (FR)

Application

EP 79400222 A 19790405

Priority

FR 7810826 A 19780412

Abstract (en)

[origin: US4251059A] Apparatus for determining reeving of a pulley system including head pulleys on a jib or boom of a crane and reeving pulleys opposite the head pulleys. There is provided a sensor which may be electrically, mechanically, optically or pneumatically operable at some of the pulleys of the pulley system for sensing the presence or absence of the rope at its associated pulley. Each sensor provides a signal which is fed into a decoder module which may be connected to a display unit for displaying the information or a control device for enabling or inhibiting operation of the associated lifting equipment.

IPC 1-7

B66C 23/88; **B66D 3/04**; **B65H 63/00**

IPC 8 full level

B66C 13/00 (2006.01); **B66C 23/88** (2006.01); **B66D 3/04** (2006.01); **B66D 3/08** (2006.01)

CPC (source: EP US)

B66C 23/88 (2013.01 - EP US); **B66D 3/04** (2013.01 - EP US)

Cited by

CN110028004A; US5314259A; US5514401A; CN112645215A; CN108313885A

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 0004818 A2 19791017; **EP 0004818 A3 19791114**; **EP 0004818 B1 19811014**; CA 1134967 A 19821102; DD 142697 A5 19800709; DE 2960970 D1 19811224; FR 2422582 A1 19791109; FR 2422582 B1 19801107; JP S54149163 A 19791122; JP S5757397 B2 19821204; US 4251059 A 19810217

DOCDB simple family (application)

EP 79400222 A 19790405; CA 325380 A 19790411; DD 21207179 A 19790406; DE 2960970 T 19790405; FR 7810826 A 19780412; JP 4410879 A 19790411; US 2832179 A 19790409