

Title (en)

Piste caterpillar with hoist and method for analysing wear of a hoist rope

Title (de)

Pistenraupe mit Winde und Verfahren zum Analysieren eines Verschleißzustandes eines Windenseiles

Title (fr)

Dameur de piste avec treuil et procédé d'analyse d'un état d'usure du câble du treuil

Publication

EP 2554750 B1 20170927 (DE)

Application

EP 12179123 A 20120802

Priority

DE 102011080466 A 20110804

Abstract (en)

[origin: EP2554750A2] The method involves storing the operation life of winch (2) which is evaluated based on detection related to steering angle of the steering wheel in the cab, tensile forces of the winch cable and angular position of the winch cable by sensors (8-10,13) as detection data. The operating data corresponding to the wear of the hoist cable is determined based on the length of the cable, pitch load of the cable and stored detection data. The determined operation data is provided as retrievable data. An independent claim is included for device for analyzing wear state of hoist cable of winch.

IPC 8 full level

E01H 4/02 (2006.01)

CPC (source: EP)

E01H 4/02 (2013.01)

Cited by

CN103852305A; CN103852324A; CN107905165A; US2020115202A1; US11753283B2; EP4242162A1; EP3915930A1; DE202021004075U1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 2554750 A2 20130206; EP 2554750 A3 20141217; EP 2554750 B1 20170927; DE 102011080466 A1 20130207

DOCDB simple family (application)

EP 12179123 A 20120802; DE 102011080466 A 20110804