

Title (en)

CABLE WINCH WITH AUTOMATICALLY CONTROLLED REGULATION OF SPEED OF UNWINDING OF A HAULAGE CABLE

Title (de)

SEILWINDE MIT AUTOMATISCH GESTEUERTER REGULIERUNG DER GESCHWINDIGKEIT DES ABWICKELNS EINES FÖRDERSEILS

Title (fr)

TREUIL À CÂBLE AVEC RÉGULATION CONTRÔLÉE AUTOMATIQUEMENT DE LA VITESSE DE DÉROULEMENT D'UN CÂBLE DE TRACTION

Publication

**EP 2949615 A1 20151202 (EN)**

Application

**EP 15169142 A 20150526**

Priority

SI 201400198 A 20140527

Abstract (en)

The object of the invention is a cable winch with automatically controlled regulation of speed of unwinding of a haulage cable. The cable winch of the invention is used as a drive unit of a device for haulage of timber on a poorly accessible terrain. The cable winch of the invention also provides for a remote control of the cable winch and based on the speed of the carriage (10) the brake force of the cable winch can be controlled by a brake (3) that acts via a braking cylinder (4) on the speed of unwinding of a drum (2) with a haulage cable (6) by means of an electronic circuit (7), in which a comparison between a desired value of speed of the carriage (10) and the actual speed measured by a sensor (1) on a pulley (11), an estimate of terrain inclination and that of load mass on the carriage (10) is made possible.

IPC 8 full level

**B66D 1/48** (2006.01)

CPC (source: EP)

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Citation (search report)

- [XAYI] DE 4130970 A1 19920402 - ANGLO AMER CORP SOUTH AFRICA [ZA]
- [XAYI] US 2005114001 A1 20050526 - NEWMAN FREDERIC M [US]
- [XI] US 4187681 A 19800212 - JOHNSON KENNETH V [US]
- [XA] CN 202164072 U 20120314 - GUANGDONG LIFT ENGINEERING MACHINERY CO LTD
- [X] JP 2000063086 A 20000229 - HITACHI CONSTRUCTION MACHINERY
- [X] US 6644629 B1 20031111 - HIGASHI SHINOBU [JP], et al

Cited by

CN110428589A; CN111176156A; EP3388386A1; CN114153238A

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