

Title (en)

Method for operating a winch of a tracked vehicle and snow groomer

Title (de)

Verfahren zur Steuerung einer Seilwinde eines Kettenfahrzeugs und Pistenraupe

Title (fr)

Procédé de commande d'un treuil à câble d'un véhicule chenillé et dameuse

Publication

EP 2444355 B2 20220817 (DE)

Application

EP 11185068 A 20111013

Priority

DE 102010049984 A 20101019

Abstract (en)

[origin: EP2444355A1] The method involves detecting the speed of chain (4) and rope. The angle of winch arm (3) is detected along the longitudinal axis of vehicle (1). The running speed of vehicle is determined, based on the rope speed and the angle of winch arm. The cable force is detected, by comparing the chain speed and the running speed of vehicle. A target value is determined for power cable, based on the difference between the chain speed and running speed of vehicle. An independent claim is included for runway crawler-type vehicle.

IPC 8 full level

B66D 1/34 (2006.01); **B66D 1/50** (2006.01); **E01H 4/02** (2006.01)

CPC (source: EP)

B66D 1/505 (2013.01); **E01H 4/02** (2013.01)

Citation (opposition)

Opponent :

- WO 2010095016 A1 20100826 - ROLIC INVEST SARL [LU], et al
- EP 1431236 A2 20040623 - KAESSBOHRER GELAENDEFahrZEUG [DE]
- CA 2441650 A1 20040408 - BOMBARDIER RECREATIONAL PROD [CA]
- US 4475163 A 19841002 - CHANDLER WILLIAM R [US], et al

Cited by

US2020115202A1; US11753283B2; AT526150A4; AT526150B1; WO2024073783A1

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 2444355 A1 20120425; **EP 2444355 B1 20150902**; **EP 2444355 B2 20220817**; DE 102010049984 A1 20120419; EP 2444356 A1 20120425; EP 2444356 B1 20150429

DOCDB simple family (application)

EP 11185068 A 20111013; DE 102010049984 A 20101019; EP 11185066 A 20111013