

Title (en)

FORESTRY WINCH WITH CONTROLLED COILING OF A TOWING CABLE AND PREVENTING THE OVERLOADING THEREOF.

Title (de)

FORSTWIRTSCHAFTLICHE SEILWINDE MIT KONTROLLIERTEM AUFWICKELN DES SCHLEPPKABELS UND ÜBERLADUNG-SICHERUNG.

Title (fr)

TREUIL FORESTIER AVEC ENROULEMENT CONTRÔLÉ D'UN CABLE DE REMORQUAGE ET EMPÊCHANT LA SURCHARGE DE CELUI-CI.

Publication

EP 2855337 A1 20150408 (EN)

Application

EP 13737695 A 20130513

Priority

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- SI 2013000030 W 20130513

Abstract (en)

[origin: WO2013180665A1] The purpose of the invention is to create a forestry winch suitable for attachment to a tractor, by which coiling of a towing cable (2) should be performed in a controlled manner, which means that each disposable windings of said cable (2) on the surface of a winding drum (1) should be arranged side by side relatively to each other and without any transpositioning or overlapping, and that each overloading of said towing cable (2) and other components of a driving assembly due to towing of too heavy load should be excluded. To this aim, the winch is furnished-with-a-directing assembly (4), which is arranged between an upper pulley block (3) and said winding drum (1) and is freely rotatable or least pivotable at certain angle around the vertical geometric axis (40), wherein said winch moreover includes a dynamometer (46) suitable for measuring of tensioning force (F) within said towing cable (2), so that also the winding drum (1) can be controlled depending on each measured loading of the towing cable (2).

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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