

Title (en)

Equipment for preventing formation of a slack rope on a rope drum

Title (de)

Vorrichtung zur Verhinderung von Schlaffseilbildung auf einer Seiltrommel

Title (fr)

Équipement pour empêcher la formation d'un câble mou sur un tambour d'enroulement

Publication

**EP 1975112 A3 20091230 (EN)**

Application

**EP 08152369 A 20080306**

Priority

FI 20075203 A 20070329

Abstract (en)

[origin: EP1975112A2] The invention concerns equipment for preventing formation of a slack rope on a rope drum (1). On its outer periphery the rope drum (1) has one or more spiral rope grooves (2), which extend around the rope drum (1) and which extends/extend mainly over the entire axial length of the rope drum (1). In connection with the rope drum (1) is arranged a pressing roller (4), which is loaded flexibly against the rope drum (1) and which has an axis of rotation essentially in parallel with the rope drum's (1) axis of rotation and which presses the rope (3) to be rolled against the rope drum (1) to keep the rope (3) in the rope groove (2). According to the invention, a guide ring (6) or other such device is placed in a rope groove (2) next to the rope (3) rolling up on the rope drum (1) to roll against the rope drum (1), so that the rolling point of said guide ring (6) or other such device on the rope drum (1) is in a groove next to the rope (3) rolling up on the rope drum (1) essentially in a plane extending through the axes of rotation of the pressing roller (4) and the rope drum (1). The rope (3) rolling up on the rope drum (1) is hereby guided and supported on one side by the rope layer already rolled up on the rope drum (1) and on the opposite side by said guide ring (6) or other such device.

IPC 8 full level

**B66D 1/36** (2006.01); **B66D 1/50** (2006.01)

CPC (source: EP FI)

**B66D 1/36** (2013.01 - EP); **B66D 1/38** (2013.01 - FI); **B66D 1/50** (2013.01 - EP); **B66D 2700/0191** (2013.01 - EP)

Citation (search report)

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Designated contracting state (EPC)

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Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

**EP 1975112 A2 20081001**; **EP 1975112 A3 20091230**; FI 118764 B 20080314; FI 20075203 A0 20070329

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