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(54) Equipment for preventing formation of a slack rope on a rope drum

(57) 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.

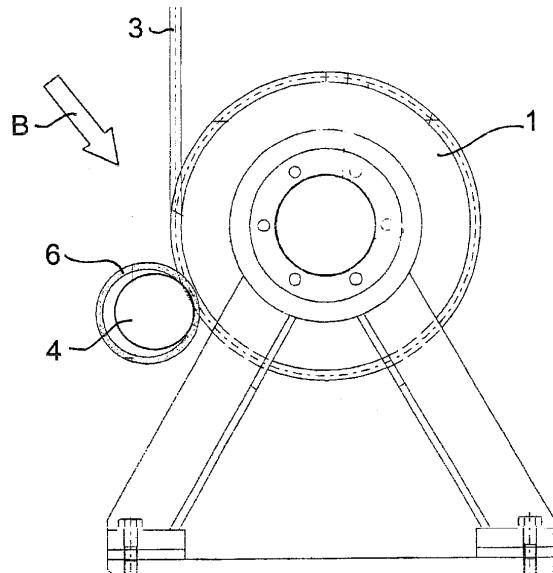


FIG. 1A

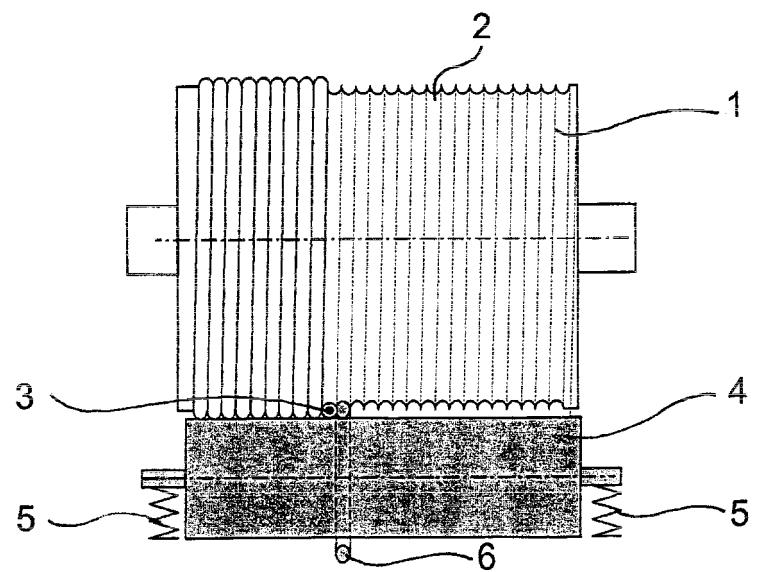


FIG. 1B



EUROPEAN SEARCH REPORT

Application Number

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
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The present search report has been drawn up for all claims			
6	Place of search	Date of completion of the search	Examiner
	The Hague	20 November 2009	Özsoy, Sevda
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on. The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

20-11-2009

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