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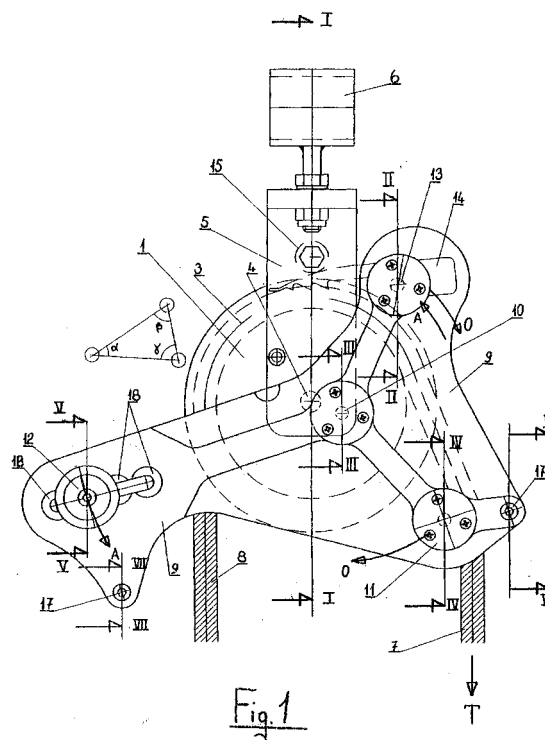
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(54) Pulley with automatic emergency brake

(57) Pulley with automatic emergency brake consisting of a disk (1) guiding the rope (3) having a pull (7) and a load leg (8), rotary supported by a suitable yoke (5), this pulley being provided with a double walled rocker arm (9), the outer walls of which are mounted on the yoke (5) by means of transverse pivot pins (10) off-centered with respect to the shaft axis (4) of the above disk (1) in the direction of the pull (7) of the rope.

The above rocker arm (9) has the shape of a right-angled triangle, its hypotenuse being slantwise located at the top, its smaller acute angle (α) located at the bottom towards the load leg (8) of the rope where an adjustable balance weight (12) is placed, whereas the greater acute angle (β) is located at the upper end of the pull leg (7) of the rope where a transverse pin (13) is provided with a grip wedge (14) to release or block the rope (3) in the race (2) of the pulley disk (1) and finally the right angle (γ) at the bottom towards the pull leg (7) of the rope featuring a snatch block (11) on which the pull rope (7) slides causing the release of the rope (3) when pulled, whereas the counterweight (12) will block the rope (3) when the pull leg (7) of the rope is not in traction.



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EUROPEAN SEARCH REPORT

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
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A	DE 25 28 410 A (MATSUMOTO KIKO CO) 13 January 1977 (1977-01-13) * page 6, line 28 - page 14, line 32; figures * ---	1-5	
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The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int.Cl.7) A62B
Place of search THE HAGUE		Date of completion of the search 31 July 2001	Examiner Triantaphillou, P
CATEGORY OF CITED DOCUMENTS 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 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			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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