

Title (en)
Pulley with automatic emergency brake

Title (de)
Riemenscheibe mit automatischer Notbremse

Title (fr)
Poulie avec frein de secours automatique

Publication
EP 0968737 A2 20000105 (EN)

Application
EP 99112036 A 19990622

Priority
• IT GE980022 U 19980702
• IT GE990057 A 19990528

Abstract (en)
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 leg (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. <IMAGE>

IPC 1-7
A62B 1/06

IPC 8 full level
A62B 1/14 (2006.01); **A62B 1/06** (2006.01); **B66D 5/16** (2006.01); **B66D 1/06** (2006.01)

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