

Title (en)  
SPREADER DEVICE FOR TWO-PIECE DRIVING PULLEY

Publication  
**EP 0172975 B1 19880720 (FR)**

Application  
**EP 84630126 A 19840829**

Priority  
EP 84630126 A 19840829

Abstract (en)  
[origin: EP0172975A1] 1. Cable hoisting apparatus having a driving pulley consisting of two half-pulleys (1, 2), the one (1) of them being mounted on the shaft or axle (3) of the pulley and the other (2) being ringshaped and supported by the one, wherein said half-pulleys are pressed against each other by several pressing devices (6) which are evenly distributed on the surface of the pulley and wherein they are gradually spread apart from each other by a spreading device (12 ; 30 ; 43 ; 60) at a place being located on the side opposite to the winding arc of the cable, characterized in that said spreading device comprise a spreading disk (12 ; 30 ; 43 ; 60) which is mounted on the shaft or axle (3) of the pulley, insuch a way that at least one of its faces (14 ; 52 ; 63) has its center on the pulley axis and is slightly inclined relatively to the half-pulley (1) being mounted on the shaft or axle (3), and in that the spreading device further comprises at least one row of spreading elements (32 ; 40 ; 53) which are evenly distributed along the peripheral portion of the pulley and which co-operate one after the other with the spreading disk (12 ; 30 ; 60) so as to push the ring-shaped half-pulley (2) apart from the other half-pulley (1), at said place, by transmitting in turn to it a force which is exclusively directed in a parallel direction to the pulley axis.

IPC 1-7  
**B66D 1/74**; B66D 3/08; F16H 55/50

IPC 8 full level  
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CPC (source: EP)  
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Cited by  
EP0745554A1; US6019354A; EP2275379A1; WO2011006817A1

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