

Title (en)

Winch mechanism

Title (de)

Windemechanismus

Title (fr)

Mécanisme de treuil

Publication

EP 0699620 A1 19960306 (EN)

Application

EP 95305940 A 19950824

Priority

GB 9417533 A 19940901

Abstract (en)

A winch mechanism includes first, second and third rolls (3, 5, 7) for receiving therearound a webbing, cable, rope or the like (11). The first and second rolls (3 and 5) are rotatable about the axes thereof and the third roll (7) is rotatable about the axis thereof and is also moveable towards and away from a line joining the axes of the first and second rolls at a point along the line intermediate the first and second rolls. The webbing, cable, rope or the like extends around that part of the periphery of the first roll (3) on that side thereof remote from the third roll (7), then passes between the first roll and the third roll, then extends around that part of the periphery of the third roll (7) remote from the line joining the axes of the first and second rolls (3 and 5), then passes between the second roll (5) and the third roll (7), and finally extends around that part of the periphery of the second roll on that side thereof remote from the third roll. The first, second and third rolls (3, 5, 7) and the webbing, cable, rope or the like (11) are dimensioned such that the distance between the first and second rolls (3 and 5) is less than the diameter of the third roll (7) with the webbing, cable, rope or the like (11) extending therearound. <MATH>

IPC 1-7

B66D 1/74

IPC 8 full level

B66D 1/74 (2006.01)

CPC (source: EP)

B66D 1/7415 (2013.01)

Citation (search report)

- [XY] FR 2217259 A1 19740906 - KAUFER CARL [DE]
- [Y] EP 0343063 A1 19891123 - TRACTEL SA [FR]
- [X] DE 872987 C 19530409 - YALE & TOWNE MFG CO
- [A] GB 2171973 A 19860910 - FITZGERALD SMITH LT COL JAMES
- [A] EP 0110250 A2 19840613 - HANEL HEINZ
- [A] FR 2434111 A1 19800321 - TRACTEL SA
- [A] FR 2307761 A1 19761112 - DRESSLER BRUNO [FR]

Cited by

US10246304B2; WO2014147291A1; WO2015085361A1

Designated contracting state (EPC)

BE CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0699620 A1 19960306; GB 2292723 A 19960306; GB 9417533 D0 19941019

DOCDB simple family (application)

EP 95305940 A 19950824; GB 9417533 A 19940901