

Title (en)

Load-lifting system comprising two parallel drums rotating in synchronism.

Title (de)

Einrichtung zum Heben einer Last mittels zwei parallelen, synchron drehenden Trommeln.

Title (fr)

Système de levage d'une charge à deux tambours fonctionnant en parallèle et synchronisés en rotation.

Publication

EP 0448021 A1 19910925 (FR)

Application

EP 91104174 A 19910318

Priority

FR 9003625 A 19900321

Abstract (en)

The system comprises a speed-reducing motor unit (1) having two parallel output pinions each of which drives a lifting device connected to the load (4) via a cable (5, 9), a said device comprising a ring gear (6) meshing with one (2) of the two output pinions, the said ring gear (6) driving, via a friction clutch comprising an intermediate clutch disc (40), a winch drum (8) to which is attached and round which is wound the said cable (5), the said intermediate disc (40) comprising retention pawls (43) preventing its rotation in the direction corresponding to the lowering of the load (4), the drum (8) being firmly attached to a central shaft (10) whose rotation in the direction corresponding to the lowering of the load (4) ensures the coupling of the clutch, and in that the said central shaft (10) rotates in synchronism with the central shaft (11) of the other lifting device by means of a coupling having plates (12, 13) and coupling disc (14) fitted with tenons (50), or grooves, which are orthogonal, the two central shafts (10, 11) being supported by a stationary frame (29). <IMAGE>

IPC 1-7

B66D 1/26; **B66D 1/54**

IPC 8 full level

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CPC (source: EP KR US)

B66D 1/00 (2013.01 - KR); **B66D 1/26** (2013.01 - EP US); **B66D 1/54** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

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EP 0448021 A1 19910925; **EP 0448021 B1 19940914**; BG 60028 B2 19930730; CA 2038711 A1 19910922; CA 2038711 C 19931221; CS 76691 A2 19910915; DE 69103937 D1 19941020; DE 69103937 T2 19950209; ES 2062586 T3 19941216; FI 911314 A0 19910318; FI 911314 A 19910922; FI 93202 B 19941130; FI 93202 C 19950310; FR 2659951 A1 19910927; FR 2659951 B1 19920529; HU 208286 B 19930928; HU 910932 D0 19911028; HU T60695 A 19921028; JP H04223997 A 19920813; KR 910016614 A 19911105; RO 107397 B1 19931130; US 5324007 A 19940628; YU 47291 A 19940909; YU 47960 B 19960724; ZA 912071 B 19911224

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