

Title (en)
ELEVATOR SYSTEM WITHOUT A MOVING COUNTERWEIGHT

Title (de)
AUFZUGSSYSTEM OHNE EIN SICH BEWEGENDES GEGENGEWICHT

Title (fr)
SYSTEME D'ASCENSEUR SANS CONTREPOIDS DE DEPLACEMENT

Publication
EP 1631518 A4 20090513 (EN)

Application
EP 03724134 A 20030422

Priority
US 0312266 W 20030422

Abstract (en)
[origin: WO2004094287A2] An elevator system (20) includes a cab (22) supported for movement within a hoistway. A plurality of cab-supported sheaves (36, 42) moves with the cab through the hoistway. A first hoistway sheave (38) is located near a first end of the hoistway, and a second hoistway sheave (40) is located near a second end of the hoistway. A load bearing member (30) is provided, which (i) extends from near the first end of the hoistway toward the cab, where the load bearing member is redirected by one of the plurality of cab-supported sheaves toward the first end of the hoistway, (ii) at least partially wraps around each of the first hoistway sheave and the second hoistway sheave, and (iii) extends from near the second end of the hoistway toward the cab, where the load bearing member is redirected by another of the plurality of cab-supported sheaves toward the second end of the hoistway. A tension device (44) maintains tension in the load bearing member.

IPC 8 full level
B66B 11/08 (2006.01); **B66B 7/10** (2006.01)

IPC 8 main group level
B66B (2006.01)

CPC (source: EP)
B66B 11/007 (2013.01); **B66B 11/008** (2013.01); **B66B 11/08** (2013.01); **B66B 19/00** (2013.01)

Citation (search report)

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- [XAY] US 718762 A 19030120 - HISS NELSON [US]
- [Y] US 2537075 A 19510109 - GUSTAVE MARGLES SAMUEL
- [Y] JP S5663590 A 19810530 - NIPPON KOKAN KK, et al
- [Y] US 1861063 A 19320531 - BLAKE PALM
- [Y] DE 19507628 A1 19960905 - DOVER EUROP AUFZUEGE GMBH [DE]
- See references of WO 2004094289A1

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DOCDB simple family (publication)
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