

Title (en)
Multicar elevator

Title (de)
Mehrdeckkabinenaufzug

Title (fr)
Ascenseur multi-cabines

Publication
EP 1647513 A2 20060419 (EN)

Application
EP 05007196 A 20050401

Priority
JP 2004300904 A 20041015

Abstract (en)
With a circulation type multicar elevator, a plurality of cages (3A-3F) is arranged in ascent and descent paths (1A, 1B). Ropes (4A, 4B) connect the plurality of cages (3A-3F) in pairs. A drive device for the ropes comprises a plurality of rope drive pulleys (26), on which the ropes (4A, 4B) are stretched. The rope drive pulleys (26) are dispersedly arranged on an arc or a smooth curve above and below the ascent and descent paths (1A, 1B). The rope drive pulleys (26) are grouped and drive motors (23) are provided every group to rotatingly drive the rope drive pulleys (26). The respective groups correspond to pairs of cages (3A-3F).

IPC 8 full level
B66B 7/06 (2006.01); **B66B 9/00** (2006.01)

CPC (source: EP)
B66B 9/00 (2013.01); **B66B 9/003** (2013.01); **B66B 11/0095** (2013.01)

Cited by
DE102014220966A1; US11623845B2; US10294074B2; US11535493B2; US9481550B2; US9522807B2; WO2016058940A1; US10703603B2

Designated contracting state (EPC)
DE FR

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EP 1647513 A2 20060419; **EP 1647513 A3 20091202**; CN 1760105 A 20060419; CN 1760105 B 20120418; JP 2006111408 A 20060427; JP 4543868 B2 20100915

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