

Title (en)
ELEVATOR CAR WITH FOLDABLE WORKING PLATFORM

Title (de)
AUFZUGSKABINE MIT FALTBARER ARBEITSPLATTFORM

Title (fr)
CABINE D'ASCENSEUR DOTÉE D'UNE PLATEFORME DE TRAVAIL PLIABLE

Publication
EP 3943432 A1 20220126 (EN)

Application
EP 20305845 A 20200723

Priority
EP 20305845 A 20200723

Abstract (en)
An elevator car (1) defining an interior space (2) for accommodating passengers and/or cargo, comprising a support frame (4) positioned above the interior space (2), a working platform (6) moveable between a stowed position, above the interior space (2), and an operational position, within the interior space (2) and at least one extendable suspension arrangement (8a, 8b) arranged to suspend the working platform (6) from the support frame (4). The extendable suspension arrangement (8a, 8b) includes a connection plate (10a, 10b, 10c, 10d), a first arm member (12a, 12b, 12c, 12d) connected at a first end (3a, 3b, 3c, 3d) to the support frame (4) and slidably connected to a first connection point (16a, 16b, 16c, 16d) of the connection plate (10a, 10b, 10c, 10d) and a second arm member (14a, 14b, 14c, 14d) connected at another first end (5a, 5b, 5c, 5d) to the working platform and slidably connected to a second connection point (18a, 18b, 18c, 18d) of the connection plate (10a, 10b, 10c, 10d). The first arm member (12a, 12b, 12c, 12d) and the second arm member (14a, 14b, 14c, 14d) are configured to slide parallel to each other, along a sliding direction (13a), in order to extend the extendable suspension arrangement (8a, 8b) when the working platform (6) moves between the stowed position and the operational position. The first connection point (16a, 16b, 16c, 16d) and the second connection point (18a, 18b, 18c, 18d) have an offset from one another at least in a direction perpendicular to the sliding direction (13a).

IPC 8 full level
B66B 11/02 (2006.01)

CPC (source: EP)
B66B 11/0246 (2013.01)

Citation (applicant)
EP 3587333 A1 20200101 - OTIS ELEVATOR CO [US]

Citation (search report)
• [AD] EP 3587333 A1 20200101 - OTIS ELEVATOR CO [US]
• [A] EP 3530603 A1 20190828 - OTIS ELEVATOR CO [US]
• [A] US 2007056809 A1 20070315 - FERNANDES MARIO [FR], et al

Cited by
CN116281520A; US11945684B2; EP4286314A1; EP4286315A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
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