

Title (en)

METHOD FOR OPERATING A CONSTRUCTION SITE DEVICE, AND CONSTRUCTION SITE DEVICE

Title (de)

VERFAHREN ZUM BETREIBEN EINER BAUSTELLENEINRICHTUNG UND BAUSTELLENEINRICHTUNG

Title (fr)

PROCÉDÉ PERMETTANT DE FAIRE FONCTIONNER UN DISPOSITIF DE CHANTIER ET DISPOSITIF DE CHANTIER

Publication

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Application

EP 19818079 A 20191213

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Abstract (en)

[origin: WO2020126904A2] In a method for the vertical transportation of people and/or material in a building (2) in its construction phase or in a construction site device (1) suitable for performing the method, a climbing formwork device (10), comprising a climbing formwork platform (10.1) and able to be hoisted in steps, is arranged in a currently uppermost region of the building and is used to concrete at least part of a building core (3) of the building (2), wherein an elevator system (15), able to be adjusted to an increasing building height and having an elevator cabin (15.5), is installed in a first elevator shaft (4) of the building (2), wherein a conveying height of this elevator system (15) is intermittently adjusted to a current building height primarily by hoisting a mechanical platform (15.1) comprising an elevator drive machine (15.2) to a higher level and fixing it there, wherein at least the two currently uppermost floors (7.X+6, 7.X+7) are however not able to be reached by the elevator cabin (15.5), wherein a construction elevator (20) is temporarily installed in a second elevator shaft (5) in a currently uppermost region of the building and is attached to the climbing formwork platform (10.1) of the climbing formwork device (10), wherein the construction elevator (20) comprises at least one construction elevator frame (20.1), a construction elevator cabin (20.2) able to be moved vertically in the construction elevator frame and at least two access openings (20.3.1-20.3.6) arranged in the construction elevator frame (20.1) and corresponding to shaft door clearances (5.1.1-5.1.6) in a shaft wall (5.1) of the second elevator shaft (5), and wherein people and/or material, in a first step, are transported to a floor (7.X+1-7.X+2) associated with one of the access openings (20.3.1-20.3.2) of the construction elevator by the elevator system (15) able to be adjusted to the building height and, in a second step, are transported from this floor to a floor (7.X+3-7.X+7) situated in the currently uppermost region of the building (2) or to the climbing formwork platform (10.1) by the construction elevator (20).

IPC 8 full level

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CPC (source: EP US)

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Citation (examination)

- CN 105297639 A 20160203 - REN ZIFANG
- CN 207296386 U 20180501 - CCFED THE 1ST CONSTR & ENG CO, et al
- CN 102070057 A 20110525 - CHINA CONSTRUCTION THIRD ENGINEER BUREAU CO LTD

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