

Title (en)

DEVICE FOR ALTERNATELY JACKING ADDED STOREY OF BUILDING WITH HIGH-STRENGTH CONCRETE COLUMNS AND STEEL SLIDWAYS AND CONSTRUCTION METHOD THEREFOR

Title (de)

VORRICHTUNG ZUM ABWECHSELNDEN ANHEBEN EINES HINZUGEFGUTEN STOCKWERKES EINES GEBÄUDES MIT HOCHFESTEN BETONSÄULEN UND STAHLFÜHRUNGEN SOWIE KONSTRUKTIONSVERFAHREN DAFÜR

Title (fr)

DISPOSITIF PERMETTANT DE LEVER ALTERNATIVEMENT UN ÉTAGE AJOUTÉ D'UN BÂTIMENT AVEC DES COLONNES EN BÉTON À HAUTE RÉSTANCE ET DES GLISSIÈRES EN ACIER ET SON PROCÉDÉ DE CONSTRUCTION

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Application

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Abstract (en)

[origin: EP3851618A1] The present invention provides a device for jacking and adding story of a building with high-strength concrete columns and steel slideways alternately and a construction method thereof. The device includes steel slideways (2) respectively provided on each frame column (1) and movable steel brackets provided on opposite side surfaces of the frame column (1). The movable steel bracket includes an upper fixed bracket (3) and a lower lifting bracket (4). The upper fixed bracket (2) is fixed to the frame column (1), and the lower lifting bracket (4) is hung on the steel slideway (2). The lower lifting bracket (4) is provided thereon with a jack (5). The bottom of the jack (5) is mounted at the top of the lower lifting bracket (4), and the top of the jack (5) abuts against the bottom of the upper fixed bracket (3). The construction method of using the device can expand a usable space under the premise of ensuring the original appearance of a building, with a short construction period and low costs.

IPC 8 full level

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Citation (search report)

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- See references of WO 2020052637A1

Designated contracting state (EPC)

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