

Title (en)
PREFABRICATED FRAME

Title (de)
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Title (fr)
CADRE PRÉFABRIQUÉ

Publication
EP 3670778 A1 20200624 (EN)

Application
EP 19172996 A 20190507

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CN 201811551493 A 20181218

Abstract (en)
Disclosed herewith a prefabricated frame, including a column (1), a main beam (2), a secondary beam (3), and a floor (5). The main beam (2) and the secondary beam (3) are both prefabricated members, and provided with exposed reserve reinforcing bars. The floor (5) is a laminated plate having a prefabricated slab (51) at a lower portion thereof. The prefabricated slab (51), the main beam (2), and the secondary beam (3) are connected together through in-situ casting concrete on respective top portions thereof. The column (1) is a prefabricated column, which has exposed reserve reinforcing bars at a top thereof, and a to-be-cast structure at a bottom thereof for connection with a lower building structure, which has exposed reinforcing bars inserted into the to-be-cast structure. The connection between the column (1) and the lower building structure is achieved by casting in-situ concrete in the to-be-cast structure (12).

IPC 8 full level
E04B 5/38 (2006.01); **E04B 5/43** (2006.01)

CPC (source: CN EP US)
E04B 1/19 (2013.01 - CN US); **E04B 1/20** (2013.01 - US); **E04B 1/30** (2013.01 - US); **E04B 5/38** (2013.01 - EP); **E04B 5/43** (2013.01 - EP); **E04C 1/24** (2013.01 - US); **E04C 3/34** (2013.01 - US); **E04G 21/14** (2013.01 - US); **E04B 1/2403** (2013.01 - US); **E04B 2/7425** (2013.01 - US); **E04B 2001/1918** (2013.01 - US); **E04B 2001/1924** (2013.01 - CN); **E04B 2001/1975** (2013.01 - CN)

Citation (search report)
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CN113700194A; CN115012444A; WO2022083380A1

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

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BA ME

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EP 3670778 A1 20200624; **EP 3670778 B1 20240703**; AU 2019203356 A1 20200702; CN 109403458 A 20190301; SG 10201902337Q A 20200729; US 2020190799 A1 20200618

DOCDB simple family (application)
EP 19172996 A 20190507; AU 2019203356 A 20190514; CN 201811551493 A 20181218; SG 10201902337Q A 20190315; US 201916455418 A 20190627