

Title (en)

METHOD AND DEVICE FOR PRODUCING A REINFORCED CONCRETE COMPONENT, AND CONCRETE COMPONENT

Title (de)

VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG EINES BEWEHRTEN BETONBAUTEILS SOWIE BETONBAUTEIL

Title (fr)

PROCÉDÉ ET DISPOSITIF DE FABRICATION D'UN ÉLÉMENT EN BÉTON ARMÉ ET ÉLÉMENT EN BÉTON

Publication

EP 3946859 A1 20220209 (DE)

Application

EP 20710920 A 20200311

Priority

- DE 102019107555 A 20190325
- EP 2020056576 W 20200311

Abstract (en)

[origin: WO2020193150A1] The invention relates to a method and to a device for producing a concrete component, comprising concrete and a textile reinforcement composed of a reinforcement fiber strand (28), wherein first a yarn (20) is impregnated with a mineral suspension (35) and the at least one reinforcement fiber strand (28) is formed. According to the invention, the reinforcement fiber strand (28) is guided by means of a moving apparatus such that the reinforcement fiber strand (28) is inserted into a concrete strand (4), applied to a concrete layer (2) or applied to a vertical lateral surface of a plurality of concrete layers deposited one on top of the other such that an externally arranged vertical reinforcement is produced, and furthermore the reinforcement fiber strand (28) is enclosed by the concrete directly during the deposition or subsequently, before the mineral suspension (35) is cured. The invention further relates to a reinforced concrete component (1).

IPC 8 full level

B28B 1/00 (2006.01); **B33Y 30/00** (2015.01); **E04G 21/04** (2006.01)

CPC (source: EP US)

B28B 1/001 (2013.01 - EP US); **B28B 23/0006** (2013.01 - EP US); **B33Y 30/00** (2014.12 - EP); **E04G 21/0463** (2013.01 - EP US); **B33Y 30/00** (2014.12 - US); **B33Y 80/00** (2014.12 - US)

Citation (search report)

See references of WO 2020193150A1

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)

WO 2020193150 A1 20201001; CN 113613855 A 20211105; DE 102019107555 A1 20201001; EP 3946859 A1 20220209; US 2022176586 A1 20220609

DOCDB simple family (application)

EP 2020056576 W 20200311; CN 202080023718 A 20200311; DE 102019107555 A 20190325; EP 20710920 A 20200311; US 202017598323 A 20200311