

Title (en)

Self-supporting lattice to provide steel-concrete composite beams for housing and industrial building

Title (de)

Selbsttragender Gitterträger für die Herstellung von Stahlbetonverbundträgern

Title (fr)

Poutre en treillis autoportante pour la réalisation de poutres composites en acier-béton

Publication

**EP 1371794 A1 20031217 (EN)**

Application

**EP 03425377 A 20030611**

Priority

IT RM20020336 A 20020614

Abstract (en)

An improved self-supporting lattice to provide steelconcrete composite beams characterized in that it is fully embodied in the concrete casting and provided with a base or bottom of concrete reinforced with plastic and/or steel fibres able to avoid the need for provisional moulds during the installation. <??>The fibres reinforcing the concrete of the bottom have also the function of giving the latter an even limited tensile strength, thus preventing damages and cracks in the bottom which would cause problems in the mechanical resistance and/or fire resistance. <IMAGE>

IPC 1-7

**E04C 5/065**; **E04C 3/293**; **E04B 5/29**

IPC 8 full level

**E04B 5/29** (2006.01); **E04C 3/26** (2006.01); **E04C 3/293** (2006.01); **E04C 5/065** (2006.01)

CPC (source: EP)

**E04B 5/29** (2013.01); **E04C 3/26** (2013.01); **E04C 3/293** (2013.01); **E04C 5/0653** (2013.01)

Citation (search report)

- [XAY] GB 2077792 A 19811223 - TINSLEY BUILDING PROD LTD, et al
- [YA] NL 136703 C
- [A] DE 29906967 U1 19990812 - RITTER KARL KONRAD [DE]
- [A] GB 854575 A 19601123 - A V I ALPENLANDISCHE VEREDELUN
- [A] AT 360722 B 19810126 - BUCHER FRANZ
- [A] FR 2712326 A1 19950519 - FIMUREX [FR]

Cited by

ITUD20090002A1; AU2003204314B1; EP1752596A3; ITUD20080179A1; CN106088480A; CN113882569A; CN101899877A; EP1669505A1; CN102061770A; CN102094458A; WO2016037864A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

**EP 1371794 A1 20031217**; **EP 1371794 B1 20060913**; AT E339566 T1 20061015; DE 60308261 D1 20061026; DE 60308261 T2 20070830; ES 2269964 T3 20070401; IT RM20020336 A0 20020614; IT RM20020336 A1 20031215

DOCDB simple family (application)

**EP 03425377 A 20030611**; AT 03425377 T 20030611; DE 60308261 T 20030611; ES 03425377 T 20030611; IT RM20020336 A 20020614