

Title (en)
SUPPORTING METHOD FOR HOLLOW-CORE SLABS AND END ATTACHMENT

Title (de)
ABSTÜTZVERFAHREN FÜR HOHLTRÄGER UND ENDBEFESTIGUNG

Title (fr)
PROCEDE DE SUPPORT POUR DALLES A NOYAU CREUX ET ACCESSOIRE TERMINAL

Publication
EP 1242696 A1 20020925 (EN)

Application
EP 00988828 A 20001222

Priority
• FI 0001139 W 20001222
• FI 19992817 A 19991230

Abstract (en)
[origin: WO0149951A1] In the method according to the invention an end attachment (1) made of metal is installed at the ends of a hollow-core slab (100). The end attachment comprises a support plate (2) placed against the lower surface of the end portion of the hollow-core slab, a vertical plate (3) attached to a first edge of the support plate (2) in a substantially vertical position, and brackets attached to the vertical plate. A bracket may be e.g. a flat attachment plate (5). The end attachment further includes stiffener plates (12a) to stiffen the structure, and anchoring elements (6) through which the end attachment is attached to the hollow-core slab. The end attachment may be attached to the end of the hollow-core slab already at the element plant immediately after the slab has been cut. The basic idea of the invention is that when the slab is installed on the building site, the slab is not supported directly on the supporting structure but the reaction of support of the slab is transferred onto the beam through the support plate, vertical plate and brackets in the end attachment. With this method of support it is possible to reduce faults occurring from incorrect installation of the hollow-core slab as well as prevent the decrease in the capacity of the hollow-core slab resulting from the bending of the beam.

IPC 1-7
E04B 1/21; **E04B 1/04**

IPC 8 full level
E04B 5/06 (2006.01); **E04B 5/32** (2006.01)

CPC (source: EP)
E04B 5/043 (2013.01); **E04B 5/06** (2013.01); **E04B 2005/322** (2013.01); **E04B 2005/324** (2013.01)

Citation (search report)
See references of WO 0149951A1

Cited by
CN103510618A

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
WO 0149951 A1 20010712; AT E295450 T1 20050515; AU 2518501 A 20010716; DE 60020165 D1 20050616; DE 60020165 T2 20060126; EP 1242696 A1 20020925; EP 1242696 B1 20050511; FI 19992817 A 20010701

DOCDB simple family (application)
FI 0001139 W 20001222; AT 00988828 T 20001222; AU 2518501 A 20001222; DE 60020165 T 20001222; EP 00988828 A 20001222; FI 19992817 A 19991230