

Title (en)  
COMBINED CONSTRUCTION PLATE

Publication  
**EP 0104629 B1 19860528 (EN)**

Application  
**EP 83109505 A 19830923**

Priority  
FI 823268 A 19820923

Abstract (en)  
[origin: EP0104629A1] Combined construction plates are used as horizontal plates in buildings. A combined construction plate is formed of an element which for instance is cast of concrete, and of steel sheet, as well as of a bottom construction which can for example be beam-like or framework-like. Steel sheet, which in conventional applications is normally profiled, functions both as the reinforcement and the casting mould of the plate. The bottom construction is either a ceiling suspended from the plate and/or a beamwork supporting the plate. In the combined construction plate of the invention the junction between the concrete (1), the sheet metal (2) and the bottom construction (4) is achieved by means of such spike-like members (3) which penetrate the sheet metal (2) and reach through the concrete (1) and the bottom construction (4). The spike-like members are partly or wholly composed of the spikes located in the upper part of the bottom construction, and they can be dented. They can also consist of nails which are nailed through the sheet metal (2), particularly of double-headed nails, in which case the head of the nail remains slightly apart from the surface in order to improve the concrete grip.

IPC 1-7  
**E04C 2/26**

IPC 8 full level  
**E04B 5/02** (2006.01); **E04B 5/10** (2006.01); **E04C 2/26** (2006.01); **E04C 2/28** (2006.01); **E04B 5/23** (2006.01)

CPC (source: EP)  
**E04B 5/10** (2013.01); **E04C 2/28** (2013.01); **E04B 2005/237** (2013.01)

Cited by  
FR2733263A1; AT1676U3; AT409512B; EP0828033A3; WO9634158A1

Designated contracting state (EPC)  
AT BE DE FR GB NL SE

DOCDB simple family (publication)  
**EP 0104629 A1 19840404**; **EP 0104629 B1 19860528**; AT E20109 T1 19860615; DE 3363783 D1 19860703; FI 66229 B 19840531; FI 66229 C 19840910; FI 823268 A0 19820923

DOCDB simple family (application)  
**EP 83109505 A 19830923**; AT 83109505 T 19830923; DE 3363783 T 19830923; FI 823268 A 19820923