

Title (en)  
Fixing system for panels

Title (de)  
Befestigungssystem für Plattenmaterial

Title (fr)  
Système de fixation pour panneaux

Publication  
**EP 1127998 A1 20010829 (DE)**

Application  
**EP 01810164 A 20010219**

Priority  
DE 10009461 A 20000228

Abstract (en)  
The system has an at least partly open tube element (3) to fix in a hole through the plate material (1) and in the sub-construction formed by a drilling tool (9). A mushroom-shaped element (5) to fix the plate material has an axial opening (6) in its end to hold the tube element. The mushroom-shaped element has a temporary shape-locking device, which temporarily prevents the tube from sliding axially through the opening. An Independent claim is included for a method for fixing plate material to a sub-construction.

Abstract (de)  
System zur Befestigung von Plattenmaterial (1) an einem Untergrund (2) sowie ein zugeordnetes Verfahren zur Montage dessen, mit einem längs zumindest teilweise offenen Rohrelement (3) und einem Pilzelement (5), wobei das Pilzelement (5) ein temporäres Formschlussmittel aufweist, welches über einen temporären Formschluss mit dem Rohrelement (3) eine axiale Verschiebung des Rohrelements (3) durch die Öffnung (6) des Pilzelements (5) temporär verhindert. <IMAGE>

IPC 1-7  
**E04F 13/04**

IPC 8 full level  
**E04D 3/36** (2006.01); **E04F 13/04** (2006.01); **E04F 13/08** (2006.01)

CPC (source: EP)  
**E04B 1/7633** (2013.01); **E04D 3/3603** (2013.01); **E04F 13/045** (2013.01)

Citation (search report)

- [DA] DE 19720589 A1 19981119 - HILTI AG [LI]
- [A] DE 3045986 A1 19820609 - BOEHL A SCHRAUBEN KUNST [DE]
- [A] GB 2124293 A 19840215 - ITW LTD

Cited by  
EP2596185A4

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AT DE FR GB NL

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**EP 1127998 A1 20010829; EP 1127998 B1 20030416**; AT E237721 T1 20030515; DE 10009461 A1 20010830; DE 50100164 D1 20030522

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