

Title (en)
Composite structure

Title (de)
Verbundstruktur

Title (fr)
Structure composite

Publication
EP 1587996 B1 20100407 (EN)

Application
EP 04700139 A 20040105

Priority
• GB 2004000006 W 20040105
• GB 0300213 A 20030107

Abstract (en)
[origin: GB2397074A] Profiled steel decking comprises a steel sheet roll formed to define crests 1 and troughs 2 separated by inclined webs 3. The boundaries between the webs and the crests are radiussed to define corners 8 each having a smooth curvilinear profile. Each web may include two or more vertically spaced linear rows of embossments 10 and the troughs may include two stiffening ribs 14 15. Each crest may be formed with a generally 'V' shaped projection 9 which, in use, defines a shear connector between the decking and the concrete layer cast over the upper surface of the decking.

IPC 8 full level
E04B 5/40 (2006.01)

CPC (source: EP GB)
E04B 5/40 (2013.01 - EP); **E04C 2/322** (2013.01 - GB)

Citation (examination)
WO 0166301 A1 20010913 - PULLMAN IND INC [US], et al

Designated contracting state (EPC)
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DOCDB simple family (publication)
GB 0300213 D0 20030205; GB 2397074 A 20040714; GB 2397074 B 20061011; AT E463629 T1 20100415; AU 2004203734 A1 20040722; AU 2004203734 B2 20091015; CA 2512633 A1 20040722; CA 2512633 C 20110503; DE 602004026403 D1 20100520; EP 1587996 A1 20051026; EP 1587996 B1 20100407; NZ 541319 A 20081128; WO 2004061249 A1 20040722

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