

Title (en)
REINFORCED STRUCTURAL STEEL DECKING

Title (de)
VERSTÜRKTE BAUSTAHLDECKENSCHALUNG

Title (fr)
PLATELAGE EN ACIER DE CONSTRUCTION RENFORCE

Publication
EP 1537278 A4 20070815 (EN)

Application
EP 03722074 A 20030527

Priority
• AU 0300643 W 20030527
• AU PS254602 A 20020527

Abstract (en)
[origin: WO03100184A1] A structural steel decking panel for supporting wet concrete and subsequently reinforcing the concrete after it has hardened is disclosed. The decking panel includes an elongate profiled steel sheet (12) having a top side (14) and an underside (16) and a plurality of elongate reinforcing members (20) connected to the sheet. The decking panel is characterised in that the strength of the longitudinal shear connection between the sheet and the reinforcing members is sufficiently high to resist longitudinal shear failure between the reinforcing members and the sheet when the decking panel is subjected to top loading with construction loads and wet concrete.

IPC 1-7
E04B 5/40; **E04G 11/44**

IPC 8 full level
E04B 5/40 (2006.01); **E04G 11/44** (2006.01); **E04G 11/46** (2006.01)

CPC (source: EP US)
E04B 5/40 (2013.01 - EP US); **E04G 11/46** (2013.01 - EP US)

Citation (search report)
• No further relevant documents disclosed
• See references of WO 03100184A1

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)
WO 03100184 A1 20031204; AU 2003229379 A1 20031212; AU 2003229379 B2 20090507; AU PS254602 A0 20020613;
CN 1671930 A 20050921; EP 1537278 A1 20050608; EP 1537278 A4 20070815; NZ 537228 A 20070727; US 2006225374 A1 20061012

DOCDB simple family (application)
AU 0300643 W 20030527; AU 2003229379 A 20030527; AU PS254602 A 20020527; CN 03818048 A 20030527; EP 03722074 A 20030527;
NZ 53722803 A 20030527; US 51628003 A 20030527