

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
5 August 2004 (05.08.2004)

PCT

(10) International Publication Number
WO 2004/065713 A1

(51) International Patent Classification⁷: **E04B 5/29**, 5/40

Stuart [AU/AU]; 10 Werrington Street, Burradoo, New South Wales 2576 (AU).

(21) International Application Number:

PCT/AU2004/000084

(74) Agent: **GRIFFITH HACK**; 509 St Kilda Road, Melbourne, New South Wales 3004 (AU).

(22) International Filing Date: 23 January 2004 (23.01.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
2003900295 23 January 2003 (23.01.2003) AU

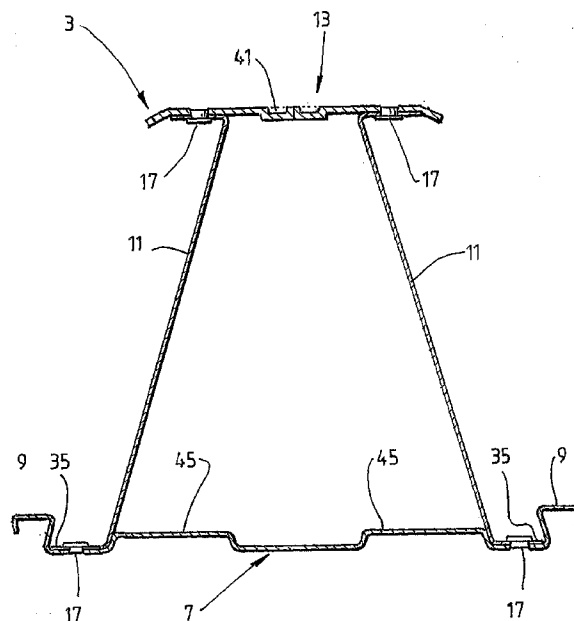
(71) Applicants (for all designated States except US): **ONES-TEEL REINFORCING PTY LTD** [AU/AU]; Level 23, 1 York Street, Sydney, New South Wales 2000 (AU). **UNIVERSITY OF WESTERN SYDNEY** [AU/AU]; Second Avenue, Kingswood, New South Wales 2747 (AU).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: STRUCTURAL DECKING SYSTEM



(57) Abstract: A main decking panel for a structural decking system that includes a plurality of the main decking panels is disclosed. The main decking panel includes a base component that includes a central pan (7) and lap joints (9) on each side of the pan to enable adjacent main decking panels to be positioned side by side in overlapping relationship. The main decking panel also includes a strengthening component in the form of an inverted channel member secured to the base component. The channel member includes two opposed side walls (11) formed from web components and a top (13) formed from a chord component. The web and top chord components are manufactured as separate components and thereafter assembled together to form the channel member.

WO 2004/065713 A1



Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.