

PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

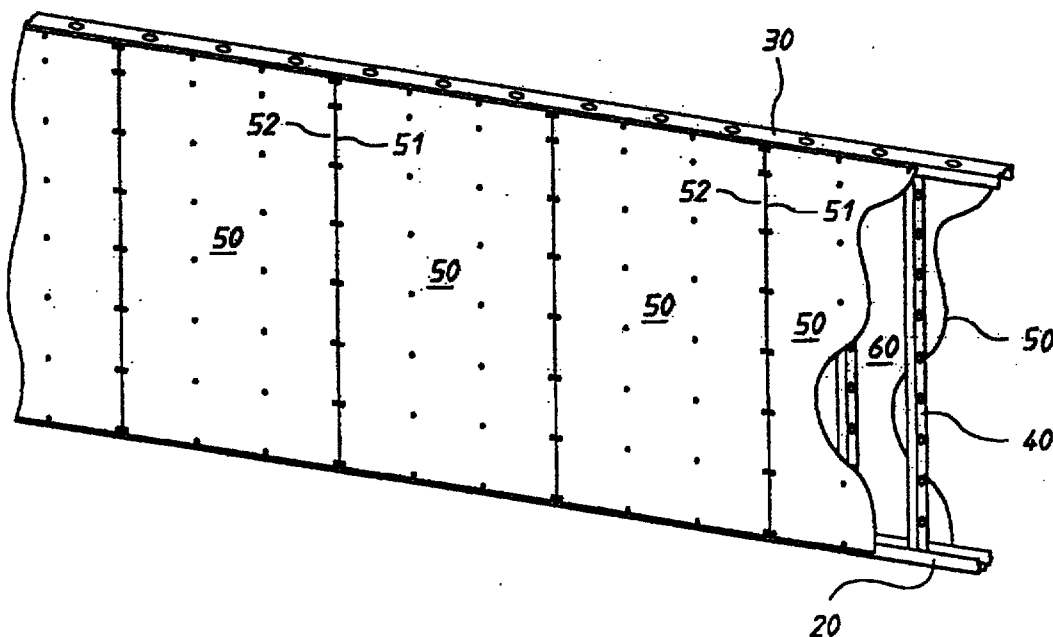


9901103-0
1705

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : E04B 1/16, 2/86, 5/36	A1	(11) International Publication Number: WO 98/16697 (43) International Publication Date: 23 April 1998 (23.04.98)
(21) International Application Number: PCT/AU97/00692 (22) International Filing Date: 15 October 1997 (15.10.97) (30) Priority Data: PO 3032 16 October 1996 (16.10.96) AU (71) Applicant (for all designated States except US): JAMES HARDIE RESEARCH PTY. LIMITED [AU/AU]; 65 York Street, Sydney, NSW 2000 (AU). (72) Inventors; and (75) Inventors/Applicants (for US only): COTTIER, John, Sidney [AU/AU]; 84 Moons Road, Lugarno, NSW 2210 (AU). COLLINS, David, Robert [AU/AU]; 16 Heather Place, Quakers Hill, NSW 2763 (AU). GEEVES, James, Graham [AU/AU]; 68 Coronation Road, Baulkham Hills, NSW 2153 (AU). (74) Agent: SHELSTON WATERS; 60 Margaret Street, Sydney, NSW 2000 (AU).		(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG). Published With international search report.

(54) Title: WALL MEMBER AND METHOD OF CONSTRUCTION THEREOF



(57) Abstract

A process for constructing a wall, floor or ceiling in situ. The process includes the steps of erecting a substantially rigid frame (10) and attaching fibre reinforced cementitious sheets (50) to the front and rear faces of the frame to form a void (60) therebetween. This void (60) is then filled with a lightweight aggregate concrete slurry and allowed to cure. The sheets are adapted to absorb sufficient moisture from the lightweight aggregate slurry to provide natural adherence of the concrete slurry to the sheets without substantially losing their structural integrity during setting and curing of the concrete slurry.