

PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau



RTMP'S COPY

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : F16B 13/06	A1	(11) International Publication Number: WO 96/25601
		(43) International Publication Date: 22 August 1996 (22.08.96)
(21) International Application Number: PCT/AU96/00073		(81) Designated States: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, ARIPO patent (KE, LS, MW, SD, SZ, UG), Eurasian patent (AZ, BY, KG, KZ, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, 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).
(22) International Filing Date: 13 February 1996 (13.02.96)		
(30) Priority Data: PN 1190 17 February 1995 (17.02.95) AU		
(71) Applicant (for all designated States except US): RAMSET FASTENERS (AUST.) PTY. LIMITED [AU/AU]; Maroon-dah Highway, Croydon North, VIC 3136 (AU).		
(72) Inventor; and (75) Inventor/Applicant (for US only): CLARK, Philip, Charles [AU/AU]; 33 Wildwood Avenue, Vermont South, VIC 3133 (AU).		
(74) Agent: HIND, Raymond, Stenton; Davies Collison Cave, 1 Little Collins Street, Melbourne, VIC 3000 (AU).		

Published
With international search report.

(54) Title: MASONRY ANCHOR

(57) Abstract

An expansion sleeve (4) for a masonry anchor has circumferentially-spaced apertures (6) intermediate the ends of the sleeve. The apertures are shaped so that a land (14) is defined between adjacent apertures (6) to form an inclined strut (14) operative to deform as a result of axial loading applied to the sleeve whereby to result in a contraction in the axial length of the sleeve. Each aperture is so shaped that an abrupt change (4) in the direction of the edge of the aperture defines a point at which the adjacent strut starts to deform as a result of stress concentration arising at the point under the applied load. The abrupt change in direction occurs at positions substantially at each axial end of the apertured region defined in the sleeve by the apertures. The defined stress concentration points provide determinable characteristics for the contraction of the sleeve which facilitates "pull down" upon setting of the anchor.

