

9901355-9 copy

PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : F16J 15/34	A1	(11) International Publication Number: WO 99/10668
		(43) International Publication Date: 4 March 1999 (04.03.99)
(21) International Application Number: PCT/US98/17569 (22) International Filing Date: 25 August 1998 (25.08.98) (30) Priority Data: 08/918,992 27 August 1997 (27.08.97) US (71) Applicant: CATERPILLAR INC. [US/US]; 100 N.E. Adams Street, Peoria, IL 61629-6490 (US). (72) Inventor: BEDFORD, Billy, R.; 828 W. South Forest Trail, Peoria, IL 61615 (US). (74) Agents: PERRY, William, C. et al.; 100 N.E. Adams Street, Peoria, IL 61629-6490 (US).		(81) Designated States: JP, SG, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.
(54) Title: METAL RING SEAL (57) Abstract In a metal to metal face seal assembly (24, 26), a metal ring seal (66, 68) has a J-shaped cross section with the hook portion of the ring seal (66, 68) forming an annular notch (38) which receives and restrains a resilient load ring (70, 72).		