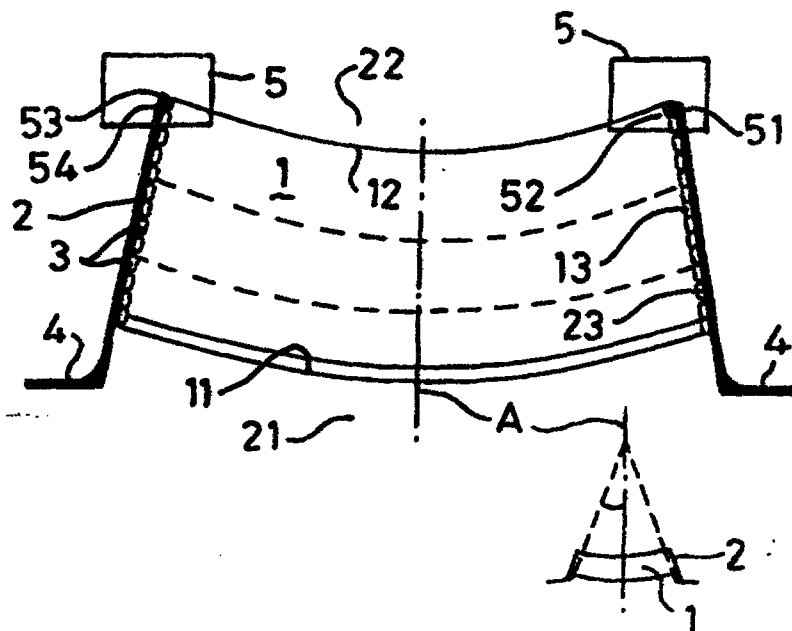


INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : B01J 35/04, C01B 3/38, B01J 23/40		A1	(11) International Publication Number: WO 98/05423
			(43) International Publication Date: 12 February 1998 (12.02.98)
(21) International Application Number: PCT/EP97/04403		(81) Designated States: AL, AM, AT, AU, AZ, BA, BE, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, MC, MG, 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, 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).	
(22) International Filing Date: 5 August 1997 (05.08.97)			
(30) Priority Data: 96202197.8 5 August 1996 (05.08.96) EP			
(34) Countries for which the regional or international application was filed: GB et al.			
(71) Applicant: SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V. [NL/NL]; Carel van Bylandtlaan 30, NL-2596 HR The Hague (NL).		Published With international search report.	
(72) Inventors: VAN DAM, Reinier, Johannes, Maria; Badhuisweg 3, NL-1031 CM Amsterdam (NE); VAN LOON, Petrus, Josephus, Maria; Badhuisweg 3, NL-1031 CM Amsterdam (NE).			

(54) Title: CATALYST SUPPORT AND PROCESS USING THE SAME



(57) Abstract

A catalyst support comprising a mounting having a fluid inlet opening, a fluid outlet opening and an engaging surface adapted to engage a porous monolithic structure, and a porous monolithic structure having a first upstream end, a second downstream end and an engaging surface, and to provide substantially fluid-tight sealing engagement thereof by means of a sealing force applied to the monolithic structure at its upstream end, thereby generating a pressure in excess of and substantially proportional to a pressure differential between the upstream and downstream ends thereof, preferably the sealing force comprises fluid flow pressure of a stream of reaction component(s) or substrate(s), and a process for the catalytic conversion of a fluid substrate at elevated space velocity, temperature and pressure by contact with a catalyst supported on the catalyst support as defined, and catalytic conversion products thereof.