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[21] Application No.: GCC/P/2001/1639 [22] Filing Date: 25/09/2001 [30] Priority: [31] Priority No. [32] Priority date [33] State 00203387.6 28/09/2000 EP [72] Inventors: 1- Willem Derks, 2- Eugene Marie Godfried Andre Van Kruchten [73] Owner: Shell Internationale Research Maatschappij B.V., Carel van Bylandtlaan 30, 2596 HR The Hague, Netherlands [74] Agent: Suleiman Ibrahim Al-Ammar	[51] Int. Cl. ⁷ : C07C 29/10 [56] Cited Documents: - WO 0035840 A (SHELL INTERNATIONALE RESEARCH) 22 June 2000 - EP 0160330 A (UNION CARBIDE) 06 November 1985 - US 5064804 A (J.H. ROBSON, et al.) 12 November 1991 - US 4571440 A (B.T.KEEN, et al.) 18 February 1986

[54] CATALYTIC PROCESS FOR PRODUCING AN ALKYLENE GLYCOL WITH REACTOR-OUTPUT RECYCLE

[57] Abstract: A process for the production of an alkylene glycol wherein a feed mixture containing a respective alkylene oxide and water is introduced to at least one inlet of a reactor containing a fixed bed of a solid catalyst based on an anion exchange resin, and a reactor output mixture containing an alkylene glycol and unreacted feed mixture is removed from at least one outlet of the reactor, characterized in that at least a part of the reactor output mixture is recycled to at least one inlet of the same reactor.

No. of claims: 10