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[21] Application No.: GCC/P/2001/1311 [22] Filing Date: 25/04/2001 [30] Priority: [31] Priority No.    [32] Priority date    [33] State 09/559926            27/04/2000            US [72] Inventors: 1- David Morris Hamilton Jr., 2- Brendan Dermot Murray [73] Owner: Shell Internationale Research Maatschappij B. V., Carel van Bylandtlaan 30, 2596 HR The Hague, The Netherlands [74] Agent: Suleiman Ibrahim Al-Ammar	[51] Int. Cl. <sup>7</sup> : C07C 29/48 [56] Cited Documents: - "A Manganese-Containing Molecular Sieve Catalyst Designed for the Terminal Oxidation of Dodecane in Air" (RAJA et al.) Chem. Commun., 17 - EP 0469662 A1 (ENIRICERCHE S.P.A) 05 February 1992

[54] PROCESS FOR CATALYTIC HYDROXYLATION OF, SATURATED OR UNSATURATED, ALIPHATIC COMPOUNDS

[57] Abstract: A process for hydroxylating aliphatic compounds under catalytic distillation conditions to provide alcohols is provided. The aliphatic compound is contacted, in a distillation column reactor, with an oxidation catalyst and an oxidant under conditions effective to hydroxylate the aliphatic compound while maintaining at least a portion of the aliphatic compound in a liquid phase and separating the hydroxylated product from the un-reacted aliphatic compound.

No. of claims: 10

No. of figures: 1

