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(54) Title: SPECIFIC POLYBRANCHED ALDEHYDES, ALCOHOLS SURFACTANTS AND CONSUMER PRODUCTS BASED THEREON

(57) Abstract: A process for preparing a detergent alcohol mixture comprising the steps of providing one or more poly-branched poly-olefins, wherein the poly-branched poly-olefins must contain one non-branched terminal olefin and one or more additional branched olefins in the molecule; hydroformylating said poly-branched poly-olefins to produce a poly-branched olefin containing aldehyde product with one or more olefins or mixture thereof; reducing the aldehyde product of step (b) in the presence of hydrogen and a hydrogenation catalyst to form a poly-branched detergent alcohol mixture; and removing said poly-branched alcohol mixture from said catalyst and branched aldehydes, alcohols and surfactants produced from the products of this process.

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A. CLASSIFICATION OF SUBJECT MATTER INV. C07C45/50 C07C29/141 C07C29/16 C07C29/17 C07C31/125 C07C41/03 C07C43/11 C07C47/02 C07C47/21 C07C305/04 C11D1/14 C11D1/72 C11D1/831 C07C309/03				
According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) C07C C11D				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched				
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, BEILSTEIN Data, CHEM ABS Data, WPI Data				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
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<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C.		<input checked="" type="checkbox"/> See patent family annex.		
* Special categories of cited documents : "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed				
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Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel: (+31-70) 340-2040, Fax: (+31-70) 340-3016		Authorized officer Steinreiber, J		

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