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(21) International application number: PCT/EP97/06068 (22) International filing date: 3 November 1997 (03.11.97) (30) Data relating to the priority: 196 45 430.1 4 November 1996 (04.11.96) DE (71) Applicant (for all designated States except US): BASF AKTIENGESELLSCHAFT [DE/DE]; D-67056 Ludwigshafen (DE). (72) Inventors; and (75) Inventors/Applicants (US only): Hans Peter RATH [DE/DE]; Friedhofstrasse 7, D-67269 Grünstadt (DE). Irene TRÖTSCH-SCHALLER [DE/DE]; Rottwegshohl 11, D-67281 Bissersheim (DE). Dietmar POSSELT [DE/DE]; Ziegelhäuser Landstrasse 7, D-69120 Heidelberg (DE). Bernhard GEISSLER [DE/DE]; Oberer Waldweg 18a, D-67281 Kirchheim (DE). Johann-Peter MELDER [DE/DE]; Jahnstrasse 35, D-67141 Neuhausen (DE). Joachim RÖSCH [DE/DE]; Nobelstrasse 16, D-67069 Ludwigshafen (DE). 74) Attorney: REITSTÜTTER, KINZEBACH & PARTNER; Ludwigsplatz 4, D-67059 Ludwigshafen (DE).	(81) Designated States: AL, AU, BG, BR, BY, CA, CN, CZ, GE, HU, IL, JP, KR, KZ, LT, LV, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TR, UA, US, 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). Published With the International Search Report. Before expiry of the period provided for amending the claims. Further publication will be made if such amendments are received.	
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(54) Title: POLYOLEFINS AND THEIR FUNCTIONALIZED DERIVATIVES (54) Bezeichnung: POLYOLEFINE UND DEREN FUNKTIONALISIERTE DERIVATE (57) Abstract The present invention relates to at least simply unsaturated polyolefins with a number mean molecular weight in the range of 400 to 1,500 dalton and a dispersibility of $M_w/M_n < 1.2$, obtained through catalytic dimerization from at least simply unsaturated olefin-oligomers, as well as to the method for their production. The present invention further relates to derivatives of these polyolefins which can be obtained by functionalizing at least a double link of the polyolefin. The invention also relates to the use of polyolefins and/or functionalization products as additives for fuels or lubricants. (57) Zusammenfassung Die vorliegende Erfindung betrifft wenigstens einfach ungesättigte Polyolefine mit einem zahlenmittleren Molekulargewicht im Bereich von 400 bis 1500 Dalton und einer Dispersizität von $M_w/M_n < 1.2$, erhalten durch katalytische Dimerisation von wenigstens einfach ungesättigten Olefin-Oligomeren, sowie das Verfahren ihrer Herstellung. Die vorliegende Erfindung betrifft weiterhin Derivate der Polyolefine, die durch Funktionalisierung wenigstens einer Doppelbindung des Polyolefins erhältlich sind. Die vorliegende Erfindung betrifft auch die Verwendung der Polyolefine und/oder ihrer Funktionalisierungsprodukte als Kraft- oder Schmierstoffadditive.		

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