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(54) Title: PROCESS FOR PRODUCING A BRANCHED HYDROCARBON COMPONENT

(57) Abstract: The invention relates to a process for producing high-quality hydrocarbon base oil particularly of biological origin. The process of the invention comprises aldol condensation, hydrodeoxygenation, and isomerization steps. Aldehydes and/or ketones, preferably of biological origin are used as the feedstock.



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

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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, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>JP 01 056792 A (NIPPON OIL CO LTD) 3 March 1989 (1989-03-03) abstract; table 1</p> <p align="center">----- -/--</p>	1-5

Further documents are listed in the continuation of Box C.

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Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>S.T. CUI, P.T. CUMMINGS, H.D. COCHRAN, J.D. MOORE, S.A. GUPTA: "Nonequilibrium Molecular Dynamics simulation of the Rheology of Linear and Branched Alkanes" INTERNATIONAL JOURNAL OF THERMOPHYSICS, [Online] vol. 19, no. 2, March 1998 (1998-03), pages 449-459, XP002434657 Netherlands ISSN: 1572-9567 Retrieved from the Internet: URL: http://www.springerlink.com/content/m1377062416h366m/fulltext.pdf [retrieved on 2007-05-22] page 457, last paragraph</p>	1-5
X	<p>US 4 026 960 A (NISHIDA TAKASHI ET AL) 31 May 1977 (1977-05-31) column 1, lines 5-17</p>	1-4
X	<p>US 4 317 948 A (HECKELSBURG LOUIS F) 2 March 1982 (1982-03-02) column 2, lines 1-4 column 2, lines 49-56 column 4, lines 35-60; claim 6; example 1; tables I-IV</p>	1-4
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X	<p>claims; examples</p>	1-5
A	<p>GB 175 974 A (NIHON GLYCERINE KOGYO KABUSHIK) 18 June 1923 (1923-06-18) the whole document</p>	1-9
Y	<p>US 3 501 546 A (DUBECK MICHAEL ET AL) 17 March 1970 (1970-03-17) column 1, lines 25-33, 50-53 column 5, line 65 - column 6, line 11; example IX</p>	6, 7, 10, 11
Y	<p>DE 33 40 711 A1 (HONDA MOTOR CO LTD [JP]) 27 September 1984 (1984-09-27) page 6, last paragraph; examples; table 1</p>	6-17
P, X	<p>EP 1 681 337 A (NESTE OIL OYJ [FI]) 19 July 2006 (2006-07-19) example 7</p>	1, 5

INTERNATIONAL SEARCH REPORT

Information on patent family members

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