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**Declarations under Rule 4.17:**

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))
- of inventorship (Rule 4.17(iv))

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(54) **Title:** NOVEL METHOD FOR RACEMIZATION OF OPTICALLY PURE  $\beta$ -CYANO ESTER TO CORRESPONDING RACEMIC  $\beta$ -CYANO ACID

(57) **Abstract:** A novel process for racemization of (R)-3-cyano-5-methyl hexanoic acid ethyl ester directly to (RS)-3-cyano-5-methyl hexanoic acid has been developed through a base catalyzed mechanism in a specific solvent system.

# INTERNATIONAL SEARCH REPORT

International application No <b>PCT/IB2011/000485</b>
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<b>A. CLASSIFICATION OF SUBJECT MATTER</b> INV. C07C253/30 C07C255/18 ADD.				
According to International Patent Classification (IPC) or to both national classification and IPC				
<b>B. FIELDS SEARCHED</b>				
Minimum documentation searched (classification system followed by classification symbols) C07C				
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 practicable, search terms used) EPO-Internal, WPI Data, CHEM ABS Data				
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>				
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
A	WO 2007/143152 A2 (TEVA PHARMA [IL]; TEVA PHARMA [US]; HEDVATI LILACH [IL]; FISHMAN AYELE) 13 December 2007 (2007-12-13) claim 1, step a) ,b); EXAMPLE 1, STEP 1; EXAMPLE 3	1-6		
A	----- MARTINEZ C A ET AL: "Development of a Chemoenzymatic Manufacturing Process for Pregabalin", ORGANIC PROCESS RESEARCH AND DEVELOPMENT, AMERICAN CHEMICAL SOCIETY, US, vol. 12, no. 3, 16 May 2008 (2008-05-16), pages 392-398, XP002556922, ISSN: 1083-6160, DOI: 10.1021/OP7002248 [retrieved on 2008-03-18] scheme 5 -----	1-6		
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <span style="margin-left: 100px;"><input checked="" type="checkbox"/> See patent family annex.</span>				
* Special categories of cited documents : <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none; vertical-align: top;">                     "A" document defining the general state of the art which is not considered to be of particular relevance                      "E" earlier application or patent 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                 </td> <td style="width: 50%; border: none; vertical-align: top;">                     "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention                      "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone                      "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art                      "&amp;" document member of the same patent family                 </td> </tr> </table>			"A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent 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	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family
"A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent 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	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family			
Date of the actual completion of the international search	Date of mailing of the international search report			
7 May 2012	22/05/2012			
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  Grammenoudi, S			

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No  
PCT/IB2011/000485

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 2007143152 A2	13-12-2007	EP 1912931 A2	23-04-2008
		US 2008015385 A1	17-01-2008
		WO 2007143152 A2	13-12-2007
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