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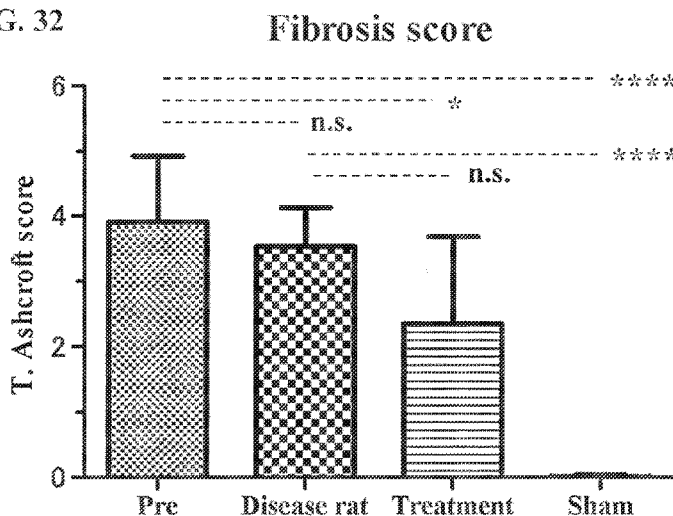
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[Continued on next page]

(54) Title: RETINOID-LIPOSOMES FOR ENHANCING MODULATION OF HSP47 EXPRESSION

FIG. 32



(57) Abstract: What is described are pharmaceutical compositions comprising a double-stranded nucleic acid molecule comprising a sense strand and an antisense strand wherein the sense and antisense strands are selected from the oligonucleotides described as SERPINH1_2 (SEQ ID NOS: 60 and 127), SERPTNH1_45a (SEQ ID NOS: 98 and 165), and SERPTNH1_51 (SEQ ID NOS: 101 and 168), and drug carrier comprising a mixture of a retinoid and a lipid vesicle, and methods of using these pharmaceutical compositions to treat a disease associated with hsp47 expression, including fibrosis.



SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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ADD.
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B. FIELDS SEARCHED
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C12N A61K
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Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 842 557 A1 (SAPPORO MEDICAL UNIVERSITY [JP] NITSU Y.; KATO J.; SATO Y.) 10 October 2007 (2007-10-10) the whole document	1,3, 6-14, 33-36, 40, 49-51,53
X,P	WO 2011/072082 A2 (NITTO DENKO CORPORATION [JP]; QUARK PHARMACEUTICALS, INC. [US]) 16 June 2011 (2011-06-16) the whole document	1,3-14, 33-53
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Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents :

<p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier application or patent but published on or after the international filing date</p> <p>"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)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p>	<p>"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</p> <p>"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</p> <p>"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</p> <p>"&" document member of the same patent family</p>
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Date of the actual completion of the international search 12 December 2012	Date of mailing of the international search report 04/01/2013
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 Macchia, Giovanni

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>YASUSHI SATO ET AL.: "Resolution of liver cirrhosis using vitamin A-coupled liposomes to deliver siRNA against a collagen-specific chaperone", NATURE BIOTECHNOLOGY, vol. 26, no. 4, 1 April 2008 (2008-04-01), pages 431-442, XP055000721, ISSN: 1087-0156, DOI: 10.1038/nbt1396 the whole document</p> <p>-& YASUSHI SATO ET AL.: "Supplementary Text and Figures", NATURE BIOTECHNOLOGY, vol. 26, no. 04 April 2008 (2008-04), XP002689068, Retrieved from the Internet: URL:http://www.nature.com/nbt/journal/v26/n4/supinfo/nbt1396_S1.html [retrieved on 2012-12-04] the whole document</p> <p style="text-align: center;">-----</p>	1,3, 6-14, 33-53

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