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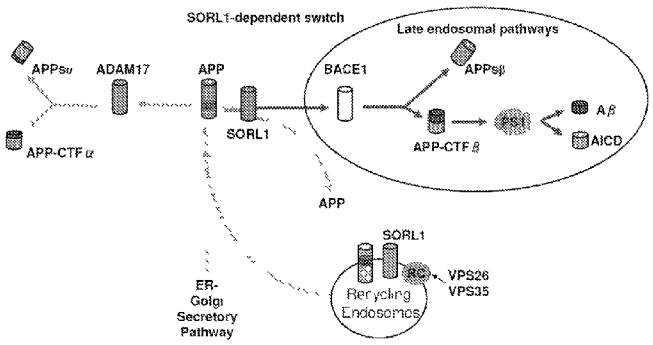
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Declarations under Rule 4.17:
— *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(U))*
— *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(Ui))*
— *of inventorship (Rule 4.17(iv))*

[Continued on next page]

(54) Title: TREATMENT AND PREVENTION OF ALZHEIMER'S DISEASE



(57) **Abstract:** The present invention is directed to a method for treating Alzheimer's disease in a patient who is also determined to have less than about 90% of the SORLl level determined in a normal subject, by administering to the patient one or more of compounds that increase SORLl expression in the patient.

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Published:

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16 October 2008

INTERNATIONAL SEARCH REPORT

International application No

PCT7US08/50683

A CLASSIFICATION OF SUBJECT MATTER

IPC **AOIN 37/18(** 2006 **0 1),A61K 38/00(** 2006 **0l),G01N 33/53(** 2006 **0l),33/567(** 2006 01)

USPC 514/2,435/7 1,7 21

According to International Patent Classification (IPC) or to both national classification ajid IPC

B FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U S 514/2, 435/7 1, 7 21

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)

STN Biosis, Biotechds. Embase, CAPLUS, Medline, USPATFULL, search term Alzheimer, SORL l or SORLA or LRI 1, dexamethasone, valproic acid, carbamazepine, halopeπdol, wortmanmn, raloxifene, refecoxib, tacrine, donepezil revastigmine, galantamine

C DOCUMENTS CONSIDERED TO BE RELEVANT

Category •	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
X --- Y	Lim et al J Neuroscience 2005 25 3032-3040, especially p 3032 abstract, p 3033-3035	1-9 **11-19,** and 21-23 ---------- 10, 20 and 24-26
X 1 P --- Y 1 P	Ma et al J Neurosci 2007 27 14299- 14307, especially p 14299, abstract, p 14300-14302	1-9 **11-19,** and 21-23 ---------- 10, 20 and 24-26
Y	US2004/0I 381 87 (Reading et al JuI 15, 2004) especially p 115, p 97 [0506]-[0507]	1-26
Y	Anderson et al PNAS 2005 102 1346 1- 13466, especially p 13461 , abstract, p 13463-13465	1-26
Y 1 P	Rogaeva et al Nat Genet 2007 39 168- 177, especially p 168, abstract, p 175, figure 3	1-26

☒ Further documents are listed in the continuation of Box C ☐ See patent family annex

' Special categones of cited documents

A documenl defining the general stale of the an which is nol considered Io be of particular relevance

E earlier application or patent published on or after the international filing date

L document which may throw doubts on priority claιm(s) or which is cited Io establish the publication dale of another citation or other special reason (as speci&ed)

O document referring Io an oral disclosure use exhibition or other means

P document published pnor Io the international filing date but later than the priority date claimed

T later document published after the international filing date or pπoπty date and not in conflict with the application but cited to understand the principle or theory underlying lhe invention

X document of particular relevance the claimed invention cannot be considered novel or cannot be considered to unolve 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 Io a person skilled in the art

& document member of the same patent family

Date of the actual completion of the international search

24 July 2008 (24 07 2008)

Date of mailing of the international search report

11 AUG 2008

Name and mailing address of the ISA/US

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Form PCT/ISA/2 10 (second sheet) (April 2007)

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US08/50683

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category ♦	Cilation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	Racchi et al. Pharmacol. Res. 2004. 50:44 1-45 1, especially p. 44 1, abstract.	1-26

INTERNATIONAL SEARCH REPORT

International application No

PCT7US08/50683

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of First sheet)

This international search report has not been established in respect of certain claims under Article I7(2)(a) for the following reasons

1 ☐ Claims Nos
because they relate to subject matter not required to be searched by this Authority, namely

2 I I Claims Nos
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically

3 I I Claims Nos
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6 4(a)

Box No. Ill Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows

1 ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims

2 ☒ As all searchable claims could be searched without effort justifying additional fees, this Authority did not invite payment of any additional fees

3 ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos

4 ☐ I No required additional search fees were timely paid by the applicant Consequently, this international search report is restricted to the invention first mentioned in the claims, it is covered by claims Nos

Remark on Protest

☐ The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee

I I The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation

I I No protest accompanied the payment of additional search fees