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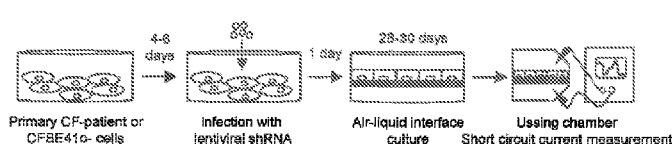
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(54) Title: COMPOSITIONS AND METHODS FOR TREATING CYSTIC FIBROSIS

Figure 1



(57) Abstract: This invention provides compositions and methods for restoring proper folding and function of Cystic Fibrosis Transmembrane Conductance Regulator mutant with in-flame-deletion of phenylalanine 508 (AF508 CFTR). The invention also provides methods for identifying novel agents capable of restoring proper folding and function of ΔP508 CFTR. The invention additionally provides methods for treating cystic fibrosis.



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INTERNATIONAL SEARCH REPORT

International application No.

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - A01N 37/18; A01N 43/04; A01N 61/00; A61K 31/07; A61P 11/00; A61P 11/12 (2017.01)

CPC - A61K 48/00; C12N 15/113; C12N 2310/11 (2017.02)

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

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

See Search History document

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

USPC - 514/44R; 514/1; 514/1.8; 536/24.5; 800/286 (keyword delimited)

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

See Search History document

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	COPPINGER et al. "A Chaperone Trap Contributes to the Onset of Cystic Fibrosis," PLoS One, 31 May 2012 (31.05.2012), Vol. 7, No. 5, e37682, Pgs. 1-11. entire document	1-23
Y	JIMENEZ-SANCHEZ et al. "siRNA Screen Identifies QPCT as a Druggable Target for Huntington's Disease," Nature Chemical Biology, 01 May 2015 (01.05.2015), Vol. 11, Pgs. 347-54. entire document	1-23
Y	US 2012/0183974 A1 (SCHILLING et al) 19 July 2012 (19.07.2012) entire document	5-7, 18, 22, 23
P, X	PANKOW et al. "ΔF508 CFTR Interactome Remodelling Promotes Rescue of Cystic Fibrosis," Nature, 30 November 2015 (30.11.2015), Vol. 528, Pgs. 510-516. entire document	1-23
A	US 2008/0200567 A1 (SCHILLING et al) 21 August 2008 (21.08.2008) entire document	1-23

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

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