

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	SUDAD SAMAN ET AL: "Exosome-associated Tau Is Secreted in Tauopathy Models and Is Selectively Phosphorylated in Cerebrospinal Fluid in Early Alzheimer Disease", JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 287, no. 6, 3 February 2012 (2012-02-03), pages 3842-3849, XP055424914, ISSN: 0021-9258, DOI: 10.1074/jbc.M111.277061 (p 3848, col 1, l 10 ff)(p 3848, col 2, l 13 ff from the bottom; p 3848, col 1, l 18 from bottom ff)(p 3842, col 2, para 1)(p 3843, col 1, para 1 to p 3844, col 1, para 1)(p 3842, col 2, last para)(p 3843, col 2, para 2); * abstract *	1-15	INV. G01N33/53 G01N33/00 G01N33/566 C07K16/00
X	AMY M POOLER ET AL: "Physiological release of endogenous tau is stimulated by neuronal activity", EMBO REPORTS, vol. 14, no. 4, 2 April 2013 (2013-04-02), pages 389-394, XP055425168, GB ISSN: 1469-221X, DOI: 10.1038/embor.2013.15 * example 9 *	1	TECHNICAL FIELDS SEARCHED (IPC) G01N
The supplementary search report has been based on the last set of claims valid and available at the start of the search.			
Place of search Munich		Date of completion of the search 23 November 2017	Examiner Bigot-Maucher, Cora
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

3
EPO FORM 1503 03 82 (P04N04)

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	<p>Jian-Zhi Wang ET AL: "Abnormal hyperphosphorylation of tau: sites, regulation, and molecular mechanism of neurofibrillary degeneration", Journal of Alzheimer's disease : JAD, 1 January 2013 (2013-01-01), page S123, XP055426913, Netherlands DOI: 10.3233/JAD-2012-129031 Retrieved from the Internet: URL:https://www.researchgate.net/profile/Yiyuan_Xia/publication/227342817_Abnormal_Hyperphosphorylation_of_Tau_Sites_Regulation_and_Molecular_Mechanism_of_Neurofibrillary_Degeneration/links/55544d7408ae980ca60873e3/Abnormal-Hyperphosphorylation-of-Tau-Sites-Regulation-and-Molecular-Mechanism-of-Neurofib</p> <p>[retrieved on 2017-11-20] * tables 1,3 *</p> <p style="text-align: center;">-----</p>	15	
			TECHNICAL FIELDS SEARCHED (IPC)
The supplementary search report has been based on the last set of claims valid and available at the start of the search.			
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EPO FORM 1503 03 82 (P04N04)

CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing claims for which payment was due.

- Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due and for those claims for which claims fees have been paid, namely claim(s):
- No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

- All further search fees have been paid within the fixed time limit. The present (supplementary) European search report has been drawn up for all claims.
- As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.
- Only part of the further search fees have been paid within the fixed time limit. The present (supplementary) European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:
- None of the further search fees have been paid within the fixed time limit. The present (supplementary) European search report has been drawn up for those parts of the European patent application which relate to the first mentioned in the claims, namely claims:
- 1-15(partially)

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-15(partially)

Method of analyzing a sample from a subject comprising determining and comparing the level of phosphorylated tau or more biomarkers with a control; a set of biomarkers comprising phosphorylated tau or more biomarkers and a kit comprising an agent binding to phosphorylated Tau or more agents binding to other biomarkers

2-8. claims: 1-14(partially)

Method of analyzing a sample from a subject comprising determining and comparing the level of Abeta1-42, TDP-43, alpha-synuclein, SOD-1, FUS, FKBP51 or IRS-1 or more biomarkers with a control; a set of biomarkers comprising Abeta1-42, TDP-43, alpha-synuclein, SOD-1, FUS, FKBP51 or IRS-1 or more biomarkers and a kit comprising an agent binding to Abeta1-42, TDP-43, alpha-synuclein, SOD-1, FUS, FKBP51, IRS-1 or more agents binding to other biomarkers

9. claims: 1-15(partially)

Method of analyzing a sample from a subject comprising determining and comparing the level of phosphorylated IRS-1 or more biomarkers with a control; a set of biomarkers comprising phosphorylated IRS-1 or more biomarkers and a kit comprising an agent binding to phosphorylated IRS-1 or more agents binding to other biomarkers

10-20. claims: 1-14(partially)

Method of analyzing a sample from a subject comprising determining and comparing the level of CTSD, LAMP1, UBP, HSP70, NSE, NFL, CD9, CD63, CD81 or CD171 respectively or more biomarkers with a control; a set of biomarkers comprising CTSD, LAMP1, UBP, HSP70, NSE, NFL, CD9, CD63, CD81 or CD171 respectively or more biomarkers and a kit comprising an agent binding to CTSD, LAMP1, UBP, HSP70, NSE, NFL, CD9, CD63, CD81 or CD171 respectively or more agents binding to other biomarkers

专利名称(译)	阿尔茨海默病和其他神经退行性疾病的生物标志物和诊断方法		
公开(公告)号	EP3060913A4	公开(公告)日	2018-04-18
申请号	EP2014855608	申请日	2014-10-24
申请(专利权)人(译)	NANOSOMIX INC.		
当前申请(专利权)人(译)	NANOSOMIX INC.		
[标]发明人	GOETZL EDWARD J		
发明人	GOETZL, EDWARD J.		
IPC分类号	G01N33/53 G01N33/00 G01N33/566 C07K16/00		
CPC分类号	G01N33/6896 G01N2800/2814 G01N2800/2821 G01N2800/2835 G01N2800/285 G01N2800/50 G01N2800/52 C12Q1/6883 C12Q2600/158 G01N33/6854		
优先权	61/895376 2013-10-24 US 61/978994 2014-04-14 US 62/047062 2014-09-08 US		
其他公开文献	EP3060913A2		
外部链接	Espacenet		

摘要(译)

本发明涉及阿尔茨海默病和其他神经变性疾病的生物标志物和诊断和预后方法。本发明还提供了用于检测生物标志物的组合物以及用于治疗阿尔茨海默病和其他神经变性疾病的组合物和方法。

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X	SUDAD SAMAN ET AL: "Exosome-associated Tau is Secreted in Tauopathy Models and is Selectively Phosphorylated in Cerebrospinal Fluid in Early Alzheimer Disease" <i>JOURNAL OF BIOLOGICAL CHEMISTRY</i> , vol. 287, no. 5, 3 February 2012 (2012-02-03), pages 3842-3849, XP055424914, ISSN: 0021-9258, DOI: 10.1074/jbc.M111.277061 (p 3844, col 1, l 10 ff)(p 3848, col 2, l 13 ff from the bottom; p 3848, col 1, l 18 from bottom ff)(p 3842, col 2, para 1)(p 3843, col 1, para 1 to p 3844, col 1, para 1)(p 3842, col 2, last para)(p 3843, col 2, para 2) "abstract"	1-15	INT. G01N33/53 G01N33/00 G01N33/566 C07K16/00
X	AMY N POOLER ET AL: "Physiological release of endogenous tau is stimulated by neuronal activity". <i>NEURO REPORT</i> , vol. 14, no. 4, 2 April 2013 (2013-04-02), pages 389-394, XP055425168, DOI: 10.1038/nrn3213, ISSN: 1469-221X, DOI: 10.1038/nrn3213, example 9	1	TECHNICAL FIELD SEARCHED (IPC) G01N
The supplementary search report has been based on the last set of claims valid and available at the start of the search.			
Munich		23 November 2017	Bigot-Maucher, Cora