

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
Y	MICHAEL QUIGLEY ET AL: "Transcriptional analysis of HIV-specific CD8+ T cells shows that PD-1 inhibits T cell function by upregulating BATF", NATURE MEDICINE, vol. 16, no. 10, 1 October 2010 (2010-10-01), pages 1147-1151, XP055445495, ISSN: 1078-8956, DOI: 10.1038/nm.2232 * whole document *	2,3	INV. C07K16/28 A61K39/395 G01N33/53
Y	E. JOHN WHERRY ET AL: "Molecular Signature of CD8+ T Cell Exhaustion during Chronic Viral Infection", IMMUNITY., vol. 27, no. 4, 1 October 2007 (2007-10-01), pages 670-684, XP055294900, US ISSN: 1074-7613, DOI: 10.1016/j.immuni.2007.09.006 * abstract; table 1; page 682, bottom left col. and top right col. *	2,3	TECHNICAL FIELDS SEARCHED (IPC) C07K A61K G01N
Y	LUKAS BAITSCH ET AL: "Exhaustion of tumor-specific CD8+ T cells in metastases from melanoma patients", JOURNAL OF CLINICAL INVESTIGATION, vol. 121, no. 6, 9 May 2011 (2011-05-09), pages 2350-2360, XP055294901, US ISSN: 0021-9738, DOI: 10.1172/JCI46102 * abstract; Fig. 2 and 3; page 2359, top left col. *	2,3	
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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 12 February 2018	Examiner Leber, Thomas
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	

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Y	<p>TRAVIS?A. DOERING ET AL: "Network Analysis Reveals Centrally Connected Genes and Pathways Involved in CD8+ T Cell Exhaustion versus Memory", IMMUNITY., vol. 37, no. 6, 15 November 2012 (2012-11-15), pages 1130-1144, XP055294899, US ISSN: 1074-7613, DOI: 10.1016/j.immuni.2012.08.021 * abstract; Fig. 1 and 2; page 1142, left col. *</p> <p style="text-align: center;">-----</p>	2,3	
A	<p>E JOHN WHERRY: "T cell exhaustion", NATURE IMMUNOLOGY, vol. 131, no. 6, 1 June 2011 (2011-06-01), pages 492-499, XP055445573, ISSN: 1529-2908, DOI: 10.1038/ni.2035 * the whole document *</p> <p style="text-align: center;">-----</p>	1-15	
T	<p>PRAKASH K. GUPTA ET AL: "CD39 Expression Identifies Terminally Exhausted CD8+ T Cells", PLOS PATHOGENS, vol. 11, no. 10, 20 October 2015 (2015-10-20), page e1005177, XP055294903, DOI: 10.1371/journal.ppat.1005177 * the whole document *</p> <p style="text-align: center;">-----</p>	1-15	
<p>The supplementary search report has been based on the last set of claims valid and available at the start of the search.</p>			
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EPO FORM 1503 03 82 (P04C04)

专利名称(译)	使用CD39生物标志物和调节剂鉴定，评估，预防和治疗t细胞衰竭的组合物和方法		
公开(公告)号	EP3207063A4	公开(公告)日	2018-03-21
申请号	EP2015850572	申请日	2015-10-16
[标]申请(专利权)人(译)	达那-法伯癌症研究所 哈佛大学校长及研究员协会		
申请(专利权)人(译)	Dana-Farber癌症研究所INC. 主席和哈佛学院院士		
当前申请(专利权)人(译)	Dana-Farber癌症研究所INC. 主席和哈佛学院院士		
[标]发明人	HAINING WILLIAM N SHARPE ARLENE H GODEC JERNEJ		
发明人	HAINING, WILLIAM N. SHARPE, ARLENE H. GODEC, JERNEJ		
IPC分类号	C07K16/28 A61K39/395 G01N33/53		
CPC分类号	C12Q1/6881 C12Q1/6883 C12Q2600/106 C12Q2600/158 G01N33/56972 G01N2333/70517 G01N2333/70596 G01N2800/52		
代理机构(译)	赫尔比希，CHRISTIAN		
优先权	62/065192 2014-10-17 US		
其他公开文献	EP3207063A2		
外部链接	Espacenet		

摘要(译)

本发明基于使用CD39生物标志物和调节剂鉴定，评估，预防和治疗T细胞衰竭的组合物和方法的鉴定。

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Y	MICHAEL QUIGLEY ET AL.: "Transcriptional analysis of HIV-specific CD8+ T cells shows that PD-1 inhibits T cell function by upregulating BATF". NATURE MEDICINE, vol. 16, no. 10, 1 October 2010 [2010-10-01], pages 1187-1191. XP055249495; ISSN: 1078-8956; DOI: 10.1038/nm.2232 * whole document *	2.3	INT-C07K16/28 A61K39/395 G01N33/53
Y	E. JOHN WHEERY ET AL.: "Molecular Signature of CD8+ T Cell Exhaustion during Chronic Viral Infection". IMMUNITY, vol. 27, no. 4, 1 October 2007 (2007-10-01), pages 670-684. XP055249490; US ISSN: 1074-7613; DOI: 10.1016/j.immuni.2007.09.006 * abstract; table 1; page 682, bottom left col. and top right col. *	2.3	TECHNICAL PROBLEM SOLVED BY THE INVENTION (IPC)
Y	LUKAS BAITSCH ET AL.: "Exhaustion of Tumor-Specific CD8+ T Cells in Metastases From Melanoma Patients". INVESTIGATION, vol. 121, no. 6, 9 May 2013 (2013-05-09), pages 2356-2360. XP055249491; US ISSN: 0021-9738; DOI: 10.1172/JCI6102 * abstract; Fig. 5, and 3; page 2359, top left col. *	2.3	INT-C07K16/28 A61K39/395 G01N33/53
<p>4 The classification codes are based on the text of the documents.</p> <p>4 Munich 12 February 2018 Leber, Thomas</p>			
<p>4 CATEGORY OF CITED DOCUMENTS</p> <p>X previously relevant to the invention</p> <p>Y document of the same category with another international publication</p> <p>W document of the same category, corresponding intermediate document</p>		<p>1 theory or principle underlying the invention, or</p> <p>2 document of the same category, not published or, if published, not available to the public</p> <p>3 document cited in the application</p> <p>4 document cited for other reasons</p> <p>5 invention of the same patent family, corresponding document</p>	