



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	MISHRA JAYA ET AL: "Identification of neutrophil gelatinase-associated lipocalin as a novel early urinary biomarker for ischemic renal injury." JOURNAL OF THE AMERICAN SOCIETY OF NEPHROLOGY : JASN. OCT 2003, vol. 14, no. 10, October 2003 (2003-10), pages 2534-2543, XP002377943 ISSN: 1046-6673 * the whole document *	1-3,5-10	INV. G01N33/53 G01N33/68 G01N33/569 G01N33/574 G01N33/541
Y	MATTHAEUS T ET AL: "Acute ischemic renal failure induces expression of neutrophil gelatinase-associated lipocalin and matrix metalloproteinase-9 in damaged tubuli" KIDNEY AND BLOOD PRESSURE RESEARCH, vol. 24, no. 4-6, 2001, page 342, XP009065224 & JOINT SCIENTIFIC MEETING OF THE NEPHROLOGY SOCIETY AND THE GERMAN WORKING GROUP FOR CLINICAL NEPHROL; MUNSTER, GERMANY; SEPTEMBER 29-OCTOBER 02, 2001 ISSN: 1420-4096 * the whole document *	1-10	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 29 May 2006	Examiner Behrens, R
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			



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	YAN LI ET AL: "The high molecular weight urinary matrix metalloproteinase (MMP) activity is a complex of gelatinase B/MMP-9 and neutrophil gelatinase-associated lipocalin (NGAL). Modulation of MMP-9 activity by NGAL.MODULATION OF MMP-9 ACTIVITY BY NGAL" JOURNAL OF BIOLOGICAL CHEMISTRY, AMERICAN SOCIETY OF BIOLOGICAL CHEMISTS, BIRMINGHAM,, US, vol. 276, no. 40, 5 October 2001 (2001-10-05), pages 37258-37265, XP002226670 ISSN: 0021-9258 * page 37259, column 1, paragraph 6 * -----	1-10	
			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.			
Place of search		Date of completion of the search	Examiner
Munich		29 May 2006	Behrens, R
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			

专利名称(译)	用于检测肾小管细胞损伤的早期发作的方法和试剂盒		
公开(公告)号	EP1616184A4	公开(公告)日	2006-07-12
申请号	EP2004758356	申请日	2004-03-26
[标]申请(专利权)人(译)	儿童医院医疗中心 纽约市哥伦比亚大学理事会		
申请(专利权)人(译)	儿童医院医学中心 哥伦比亚大学的受托人		
当前申请(专利权)人(译)	儿童医院医学中心 哥伦比亚大学的受托人		
[标]发明人	DEVARAJAN PRASED BARASCH JONATHAN M		
发明人	DEVARAJAN, PRASED BARASCH, JONATHAN, M.		
IPC分类号	G01N33/53 G01N33/68 A61K31/675 G01N		
CPC分类号	A61K31/675 G01N33/6893 G01N2800/347 G01N2800/52 G01N2800/56 C12Q1/37 C12Q1/6883 C12Q2600/118 C12Q2600/16 G01N2333/475		
优先权	60/458143 2003-03-27 US 60/481596 2003-11-04 US		
其他公开文献	EP1616184B1 EP1616184B2 EP1616184A2		
外部链接	Espacenet		

摘要(译)

一种用于检测肾小管细胞损伤的早期发作的方法和试剂盒，利用NGAL作为早期尿生物标志物。NGAL是一种小分泌多肽，具有蛋白酶抗性，因此在肾小管细胞损伤后容易在尿液中检测到。NGAL蛋白表达主要在近端小管细胞中检测到，呈点状细胞质分布，使人想起分泌的蛋白质。尿中NGAL的外观与肾缺血和肾毒性的剂量和持续时间有关，并且是肾小管细胞损伤和肾衰竭的诊断。NGAL检测也是监测药物或其他治疗剂的肾毒性副作用的有用标记物。

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	MISHRA JAYA ET AL: "Identification of neutrophil gelatinase-associated lipocalin as a novel early urinary biomarker for ischemic renal injury." JOURNAL OF THE AMERICAN SOCIETY OF NEPHROLOGY : JASN. OCT 2003, vol. 14, no. 10, October 2003 (2003-10), pages 2534-2543. XP002377943 ISSN: 1046-6673 * the whole document *	1-3,5-10	INV. G01N33/53 G01N33/68 G01N33/569 G01N33/574 G01N33/541
Y	MATTHAEUS T ET AL: "Acute ischemic renal failure induces expression of neutrophil gelatinase-associated lipocalin and matrix metalloproteinase-9 in damaged tubuli" KIDNEY AND BLOOD PRESSURE RESEARCH, vol. 24, no. 4-6, 2001, page 342. XP009065224 & JOINT SCIENTIFIC MEETING OF THE NEPHROLOGY SOCIETY AND THE GERMAN WORKING GROUP FOR CLINICAL NEPHROLOGY, MUNSTER, GERMANY, SEPTEMBER 29-OCTOBER 02, 2001 ISSN: 1420-4095 * the whole document *	1-10	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			
6	Place of search Munich	Date of completion of the search 29 May 2006	Examiner Behrens, R
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant (taken alone) Y : particularly relevant if combined with another A : technological developments only D : non-written disclosure P : intermediate document			
T : theory or principle underlying the invention E : earlier prior document, but published on, or after, the filing date D : document cited in the application L : document listed for other reasons S : member of the same patent family, corresponding document			