



CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing more than ten claims.

- Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims 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 the first ten claims.

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 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 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 European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:

1-23, 32, 33



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: 1-23, 32, 33

Methods for detection of colorectal cancer based on the
detection of renal dipeptidase

2. claims: 24-31

Methods for detecting colorectal cancer based on the
detection of macrophage inhibitory cytokine 1 (MIC-1)



DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.CI.7)
X	WO 98/53319 A (THE JOHNS HOPKINS UNIVERSITY; VOGELSTEIN, BERT; KINZLER, KENNETH, W) 26 November 1998 (1998-11-26) especially table on p. 24 * the whole document * -----	1-23, 32, 33	C07H21/04 C12N9/48 C07K14/495
			TECHNICAL FIELDS SEARCHED (Int.CI.7)
			C12N C07K
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		14 June 2005	Kalsner, I
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	

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 02 77 3302

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
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14-06-2005

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9853319 A	26-11-1998	AU 7499198 A	11-12-1998
		US 6333152 B1	25-12-2001
		WO 9853319 A2	26-11-1998

专利名称(译)	分泌的和细胞表面基因在良性和恶性结肠直肠癌中表达		
公开(公告)号	EP1430071A4	公开(公告)日	2005-11-02
申请号	EP2002773302	申请日	2002-09-09
[标]申请(专利权)人(译)	医学的约翰霍普金斯大学医学院		
申请(专利权)人(译)	医学的约翰霍普金斯大学医学院		
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IPC分类号	G01N33/53 A61K49/00 A61K51/00 C07K14/47 C07K14/495 C07K14/705 C12N9/48 C12N15/09 C12Q1/37 C12Q1/68 G01N21/78 G01N37/00 C07H21/04		
CPC分类号	C07K14/495 C07K14/47 C07K14/705		
代理机构(译)	汤布林, ADRIAN GEORGE		
优先权	60/317494 2001-09-07 US 60/383805 2002-05-30 US		
其他公开文献	EP1430071B1 EP1430071A1		
外部链接	Espacenet		

摘要(译)

基因表达的系列分析 (SAGE) 用于鉴定编码在结肠直肠的良性和恶性肿瘤中表达的分泌或细胞表面蛋白的转录物。从正常, 腺瘤和癌症结肠上皮分析总共290,394个标签。在观察到的21,343种不同转录物中, 发现957种在正常和腺瘤之间或在正常和癌症之间差异表达。49个转录物在腺瘤中升高 ≥ 20 倍, 40个转录物在癌症中升高 ≥ 20 倍, 并且9个转录物在两者中升高 ≥ 20 倍。预测六种这九种转录物 (TGFBI, LYS, RDP, MIC-1, REGA和DEHL) 的产物被分泌或驻留在细胞表面上, 并且更详细地分析这些。通过对这六种基因中的每一种进行定量PCR分析来确认SAGE预测的异常表达水平。此外, 通过原位杂交和通过PCR分析从原发性肿瘤纯化的上皮细胞免疫亲和来鉴定负责表达升高的细胞类型。

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X	WO 98/53319 A (THE JOHNS HOPKINS UNIVERSITY; VOGELSTEIN, BERT; KINZLER, KENNETH, W.) 26 November 1998 (1998-11-26) especially Table on p. 24 * the whole document *	1-23, 32, 33	C07H21/04 C12N9/48 C07K14/495
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TECHNICAL FIELDS SEARCHED (Int.Cl.7)			
C12N C07K			