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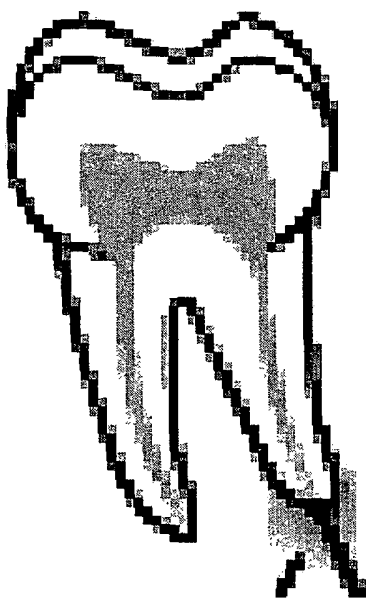
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(54) Title: NON-INVASIVE METHODS TO IDENTIFY AGENTS FOR TREATING PAIN



(57) Abstract: Disclosed are improved methods, compositions and kits for use in testing pain responses and identifying analgesic and anesthetic substances. The non-invasive screening assays described use compositions and kits comprising peripheral neurons, particularly those including neurons previously sensitized to pain in an *in vivo* setting, as *in vitro* models for identify agents for inhibiting pain signaling and for improved efficacy in the clinical treatment of pain.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/26890

A. CLASSIFICATION OF SUBJECT MATTER

IPC: G01N 33/53(2006.01)

USPC: 435/7.1

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)

U.S. : 435/7.1

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

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
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C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	RIBEIRO, S.A. et al. Antinociceptive action of bradykinin and related kinins of larger molecular weights by the intraventricular route. Br. J. Pharmacol. March 1973, Vol. 47, No. 3, pages 517-528, entire document.	1-3, 9-13, 16-18, 24, 27, 28 and 29
Y	US 2002/0034781 A1 (GLUCKSMANN) 21 March 2002 (21.03.2002), entire document.	1-3, 9-13, 16-18, 24 and 33-37
Y	US 5,683,725 A (MALIK et al.) 04 November 1997 (04.11.1997), entire document.	1-6, 8-20, 24-26, 31, 40, 42 and 43
Y	SABINO et al. Tooth extraction-induced internalization of the substance P receptor in trigeminal nucleus and spinal cord neurons: imaging the neurochemistry of dental pain. Pain. January 2002, Vol. 95, Nos. 1-2, pages 175-186, entire document.	1-21, 24-26, 31, 40, 42 and 43

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"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

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INTERNATIONAL SEARCH REPORT

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Continuation of B. FIELDS SEARCHED Item 3:

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