METHOD FOR ERADICATING PAIN OF CENTRAL ORIGIN RESULTING FROM SPINAL CORD INJURY

Abstract: Methods are provided to reliably identify (110) and surgically eradicate (116) aberrant DREZ in patients suffering from spinal cord injury. The methods include identifying potential aberrant DREZ using a combination of mapping techniques based on the location of the patients perceived pain, analysis of the spontaneous electrical hyperactivity in targeted DREZ, and analysis of evoked transcutaneous C-fiber stimulation both in pre-operative and operative conditions. Methods are also provided for identifying potential pain effectors in aberrant DREZ, useful in the preparation of non-invasive therapeutics for central pain characteristic of spinal cord injury.
— as to applicant’s entitlement to apply for and be granted a patent (Rule 4.17(ii)) for all designations
— as to the applicant’s entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for all designations

Published:
— with international search report

(88) Date of publication of the international search report: 4 March 2004

For two-letter codes and other abbreviations, refer to the “Guidance Notes on Codes and Abbreviations” appearing at the beginning of each regular issue of the PCT Gazette.
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) A61N 1/08
US CL. 607/46

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. 607/46 117; 600/373

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)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
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<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
</tr>
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<tr>
<td>A</td>
<td>US 6,018,675 A (APKARIAN et al) 25 January 2000, abstract; col. 8, lines 32-35.</td>
<td>1, 17</td>
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<td>X</td>
<td>US 5,755,750 A (PETRUSKA et al) 26 May 1998, abstract; col. 3, lines 1-6; col. 8 @ 32-67.</td>
<td>1, 17</td>
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Date of the actual completion of the international search: OCTOBER 2003

Date of mailing of the international search report: 04 DEC 2003

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