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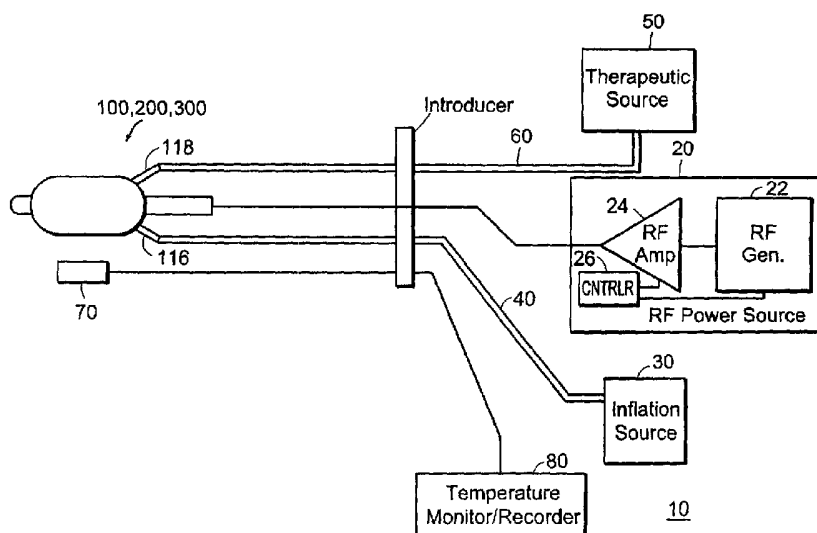
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- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: DEVICE, SYSTEMS AND METHODS FOR HEATING OF A VESSEL IN COMBINATION WITH MR/NMR IMAGING



(57) Abstract: Featured are devices, systems and methods for localized heating of a vessel as well as devices, systems and methods for MR/NMR imaging (500) of a vessel while locally heating a portion of the vessel. More particularly featured are such devices, systems and methods for use when administering or delivering therapeutic agents including genes and/or drugs to the tissues of the vessel. Such a method includes positioning a thermal energy delivery device (100) proximal a target site of an internal vessel of a body and activating the thermal energy delivery device so as to heat the target site thereby locally increasing a temperature of tissue at the target site. In further embodiments, the method includes introducing a therapeutic medium to the target site over a predetermined time period, and wherein said activating occurs at least one of before, during or after said step of introducing.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/09784

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A61F 7/00

US CL : 607/104-106

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. : 607/104-106

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
none

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
none

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,004,269 A (CROWLEY et al) 21 December 1999, Figure 20 and col. 24, line 46-col. 25, line 49.	1-3,13-14,23-24,47-49
X	US 5,178,618 A (KANDARPA) 12 January 1993, col. 5, line 12-col. 6, line 40.	13-14,23,47,48

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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"&"

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