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[Continued on next page]

(54) Title: GUIDEWIRE FOR CROSSING OCCLUSIONS OR STENOSES

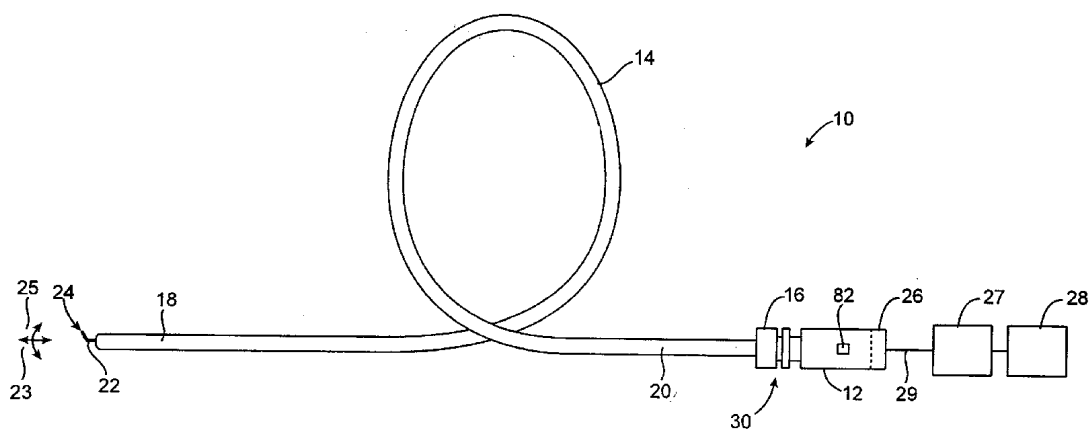


FIG. 1

(57) Abstract: A deflectable and torqueable hollow guidewire device is disclosed for removing occlusive material and passing through occlusions, stenosis, thrombus, plaque, calcified material, and other materials in a body lumen, such as a coronary artery. The hollow guidewire generally comprises an elongate, tubular guidewire body that has an axial lumen. A mechanically moving core element is positioned at or near a distal end of the tubular guidewire body and extends through the axial lumen. Actuation of the core element (e.g., oscillation, reciprocation, and/or rotation) creates a passage through the occlusive or stenotic material in the body lumen.



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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)

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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)  
EAST

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	US 5,632,755 A (Nordgren et al.) 27 May 1997 (27.05.1997), see entire document	1-2, 13-22, 25 ----- 3-12, 23, 26-46, 56-72
X --- Y	US 6,652,508 B2 (Griffin et al.) 25 November 2003 (25.11.2003), see entire document	47-48, 51 ----- 3-6, 26-29, 33-34, 37, 47-57, 63-65, 67, 73
--- Y	US 5,651,785 A (Abela et al.) 29 July 1997 (29.07.1997), see entire document	----- 7-10, 30



Further documents are listed in the continuation of Box C.



See patent family annex.

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"A"	document defining the general state of the art which is not considered to be of particular relevance	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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"L"	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&"	document member of the same patent family
"O"	document referring to an oral disclosure, use, exhibition or other means		
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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
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