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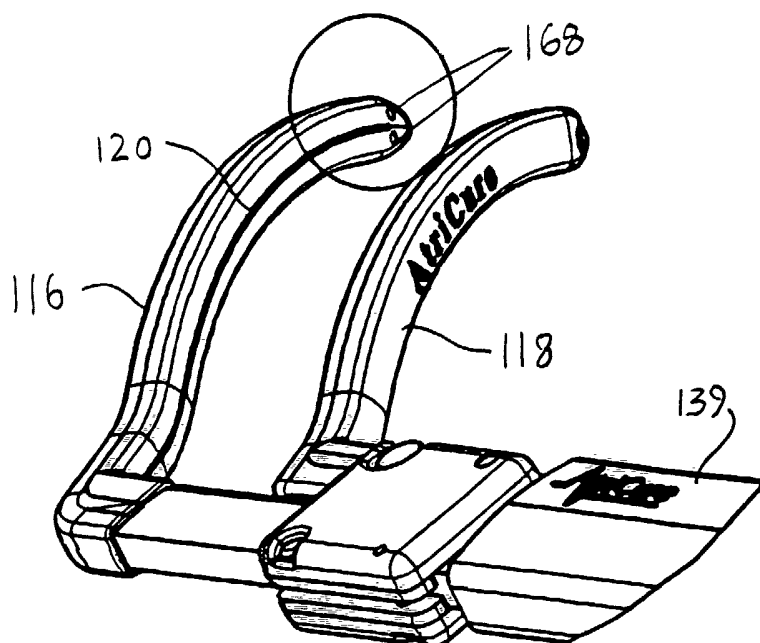
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- (71) Applicant: **ATRICURE INC.** [US/US]; 6033 Schumacher Park Drive, West Chester, OH 45069 (US).
- (72) Inventors: **HOOVEN, Michael, D.**; 7778 Bennington Drive, Cincinnati, OH 44241 (US). **GODINHO DE QUEIROZ E MELO, Joao**; Av. Miguel Torga 21 4A, P-1070-183 Lisboa (PT).
- (74) Agents: **MC FARRON, Gary, W.** et al.; Cook, Alex, McFarron, Manzo, Cummings & Mehler, Lt. d., 200 West Adams Street, Suite 2850, Chicago, IL 60606 (US).
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(54) Title: TRANSMURAL ABLATION DEVICE WITH INTEGRAL EKG SENSOR



(57) Abstract: A method and apparatus for transmural ablation using an instrument containing two electrodes or cryogenic probes. A clamping force is exerted on the two electrodes or probes such that the tissue of the hollow organ is clamped therebetween. Bipolar RF energy is then applied between the two electrodes, or the probes are cryogenically cooled, thus ablating the tissue therebetween. A monitoring device measures a suitable parameter, such as impedance or temperature, and indicates when the tissue between the electrodes has been fully ablated. The distal tip of the fixed jaw (116) includes a pair of laterally-opposed bipolar EKG electrodes or sensors (168) spaced slightly distally from the distal-most end of the electrode (120).

INTERNATIONAL SEARCH REPORT

International application No.

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A61B 18/18

US CL : 606/041

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. : 606/041

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

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6,071,281 A (BURNSIDE et al.) 06 June 2000, see entire document.	1-18

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

☐ See patent family annex.

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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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Commissioner of Patents and Trademarks
Box PCT
Washington, D.C. 20231

Facsimile No. (703)305-3230

Authorized officer

Linda C. Dvorak

Telephone No. 703/3080858