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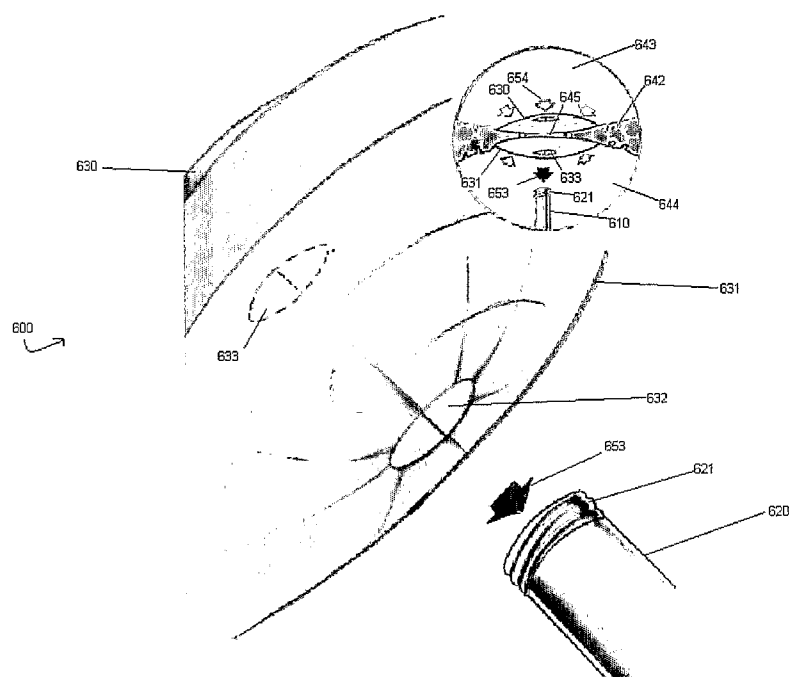
- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))
- of inventorship (Rule 4.17(iv))

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[Continued on next page]

(54) Title: MAGNETIC DEVICES AND METHODS FOR SEPTAL OCCLUSION



(57) Abstract: A magnetic device and method are disclosed for providing a safer and more reliable technique for closing a hole or rupture in the septum of the heart. A device is disclosed with proximal and distal occluders that are connected to one another via a catheter and are inserted on either side of the hole or rupture. Also disclosed are two patches that are placed on either side of the hole or rupture with at least one of the patches being composed of magnetic material with the other being magnetic or metallic.



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER IPC(8) - A61B 17/03 (2007.01) USPC - 606/158 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) USPC - 606/1, 157, 158, 213, 215, 128/887 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Total magnetic vascular coupling for arterial revascularization. Klima et al., 2004. Novel use of a magnetic coupling device to repair damage of the internal thoracic artery. Charitou et al., 2006 Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) DIALOGPro - specific publication titles. WEST (USPT, EPAB, JPAB) - magnet or graft or aneurysm or magnetic or stent or ferromagnetic Google Scholar - ferromagnetic aneurysm closure stent, magnet aneurysm closure, Ventrica, magnetic vascular coupling		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,719,768 B1 (Cole et al.) 13 April 2004 (13.04.2004), claims 7-8, 10, and 16; col 7 ln 57 col 8 ln 6 and figures 1- 5; col 9 ln 9 - 10; col 22 ln 13 - 23 and figures 48A - 48C; col 8 ln 49 - 58; col 15 ln 56 - 65.	1-7, 9-14, 16-20
A	US 5,342,393 A (Stack) 30 August 1994 (30.08.1994) col 2 ln 44 - col 4 ln 23 and figs 3 and 4	1-20
A,P	Novel use of a magnetic coupling device to repair damage of the internal thoracic artery. (Alexandros, et al.) Journal of cardiac surgery (United States) , Jan-Feb 2006 , 21, (1), p89-9.	1-20
A	Total magnetic vascular coupling for arterial revascularization. (Klima et al.) Journal of thoracic and cardiovascular surgery (United States) , Feb 2004 ,127, (2), p602-3	1-20
☐ Further documents are listed in the continuation of Box C. ☐		
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Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US, Commissioner for Patents P.O. Box 1450, Alexandria, Virginia 22313-1450 Facsimile No. 571-273-3201		Authorized officer: Lee W. Young PCT Helpdesk: 571-272-4300 PCT OSP: 571-272-7774