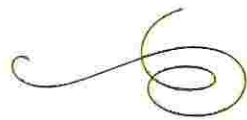
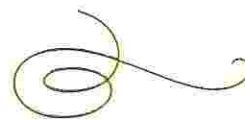


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*of the United States Patent and Trademark Office has received an application for a patent for a new and useful invention. The title and description of the invention are enclosed. The requirements of law have been complied with, and it has been determined that a patent on the invention shall be granted under the law.*

*Therefore, this United States*

**Patent**

grants to the person(s) having title to this patent the right to exclude others from making, using, offering for sale, or selling the invention throughout the United States of America or importing the invention into the United States of America, and if the invention is a process, of the right to exclude others from using, offering for sale or selling throughout the United States of America, products made by that process, for the term set forth in 35 U.S.C. 154(a)(2) or (c)(1), subject to the payment of maintenance fees as provided by 35 U.S.C. 41(b). See the Maintenance Fee Notice on the inside of the cover.

*Ander Baron*

DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE



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**Benedetti**

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- (54) **VASODILATION ASSEMBLY**
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- (\*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 419 days.

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- (22) PCT Filed: **Nov. 14, 2013**
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PCT Pub. Date: **May 22, 2014**

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- (51) **Int. Cl.**  
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**A61F 7/00** (2006.01)
- (52) **U.S. Cl.**  
CPC ..... **A61F 7/02** (2013.01); **A61F 2007/006** (2013.01); **A61F 2007/0029** (2013.01);  
(Continued)

- (58) **Field of Classification Search**  
CPC ..... A61F 2007/0029; A61F 2007/0059; A61F 7/02; A61F 2007/0233  
See application file for complete search history.

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- (57) **ABSTRACT**  
The invention relates to a vasodilation assembly for facilitating intravenous cannulation. The assembly comprises: (i) a flexible plastics sleeve (10); (ii) a heated air supply; and (iii) a conduit for conveying heated air from the air supply into the flexible plastics sleeve. The sleeve comprises an air inlet opening (12) for coupling to the conduit, and an opening (14) for accepting an appendage of a patient. The flexible plastics sleeve (10) is of a double-walled construction comprising transparent inner and outer sleeve layers (16, 18).

**19 Claims, 6 Drawing Sheets**

