



US009151646B2

(12) **United States Patent**
Kamen et al.

(10) **Patent No.:** **US 9,151,646 B2**
(45) **Date of Patent:** **Oct. 6, 2015**

(54) **SYSTEM, METHOD, AND APPARATUS FOR
MONITORING, REGULATING, OR
CONTROLLING FLUID FLOW**

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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 412 days.

(21) Appl. No.: **13/723,244**

(22) Filed: **Dec. 21, 2012**

(65) **Prior Publication Data**

US 2013/0188040 A1 Jul. 25, 2013

Related U.S. Application Data

(63) Continuation-in-part of application No. 13/333,574, filed on Dec. 21, 2011, and a continuation-in-part of application No. PCT/US2011/066588, filed on Dec. 21, 2011.

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(51) **Int. Cl.**
G01F 1/00 (2006.01)
A61M 5/168 (2006.01)

(Continued)

(52) **U.S. Cl.**
CPC **G01F 1/00** (2013.01); **A61B 17/00234** (2013.01); **A61M 5/16886** (2013.01); **A61M 25/00** (2013.01); **G06F 19/3418** (2013.01); **G06F 19/3468** (2013.01)

(58) **Field of Classification Search**
None
See application file for complete search history.

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(57) **ABSTRACT**

An apparatus, system and method for regulating fluid flow are disclosed. The apparatus includes a curved, elongated support member elastically deformable and having first and second ends. The apparatus also include an opposing support member configured to position a tube against the curved, elongated support member between the first and second ends. Deformation of the curved, elongated support member by movement of the first and second ends toward each other reduces an internal volume of the tube.

28 Claims, 115 Drawing Sheets

