



US007779710B2

(12) **United States Patent**  
**Allen**

(10) **Patent No.:** **US 7,779,710 B2**  
(45) **Date of Patent:** **Aug. 24, 2010**

(54) **CABLE COVER FOR AN ULTRASONIC FLOW METER**

(75) Inventor: **Charles Robert Allen**, Houston, TX (US)

(73) Assignee: **Daniel Measurement and Control, Inc.**, Houston, TX (US)

(\*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 232 days.

(21) Appl. No.: **11/763,783**

(22) Filed: **Jun. 15, 2007**

(65) **Prior Publication Data**

US 2008/0307911 A1 Dec. 18, 2008

(51) **Int. Cl.**  
**G01D 21/00** (2006.01)

(52) **U.S. Cl.** ..... **73/866.5**

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

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,945,250 A 3/1976 Elazar et al.

6,789,432 B2	9/2004	Guazzoni et al.	
6,895,824 B2	5/2005	Ehrlich et al.	
6,904,811 B2	6/2005	Ehrlich et al.	
2003/0084732 A1 *	5/2003	Ehrlich et al.	73/861.27
2007/0227264 A1 *	10/2007	Pors et al.	73/861.28
2008/0053255 A1 *	3/2008	Furey et al.	73/866.5

FOREIGN PATENT DOCUMENTS

JP	60148926	10/1985
JP	5107091	4/1993

OTHER PUBLICATIONS

PCT/US2008/066324 International Search Report, Dec. 18, 2008.

\* cited by examiner

Primary Examiner—Robert R Raevis

(74) Attorney, Agent, or Firm—Conley Rose, P.C.

(57) **ABSTRACT**

A cable cover for an ultrasonic flow meter is disclosed. In some embodiments, the cable cover includes multiple interlockable pieces configured to couple to a spoolpiece of an ultrasonic flow meter. Each interlockable piece includes a body having a dowel and a slot. The interlockable pieces are assembled in a series with the dowel of each interlockable piece inserted into the slot of another interlockable piece.

**16 Claims, 9 Drawing Sheets**

