

Title (en)  
CHECK VALVE TESTING SYSTEM

Publication  
**EP 0288521 A4 19910911 (EN)**

Application  
**EP 87907200 A 19871009**

Priority  
US 92483786 A 19861029

Abstract (en)  
[origin: WO8803241A1] A method and apparatus for testing the operating condition of a check valve directs sound waves into the valve chamber (45) of a check valve assembly (40) and utilizes the collected signals of the reflected sound waves to generate various times lapse data corresponding to the valve disk (48) position and movement, such time lapse data providing an analysis of the condition of the valve assembly (40).

IPC 1-7  
**F16K 37/00**

IPC 8 full level  
**G01M 13/00** (2006.01); **F16K 15/00** (2006.01); **F16K 37/00** (2006.01); **G01S 15/08** (2006.01); **G01S 15/88** (2006.01)

CPC (source: EP)  
**F16K 37/0041** (2013.01); **G01S 15/08** (2013.01); **G01S 15/88** (2013.01)

Citation (search report)  
• [A] FR 2335827 A1 19770715 - UNIV CARDIFF [GB]  
• [A] GB 2112936 A 19830727 - FROUDE ENG LTD  
• [A] EP 0147208 A2 19850703 - SONIC TAPE PLC [GB]  
• See references of WO 8803241A1

Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
**WO 8803241 A1 19880505**; CA 1321261 C 19930810; EP 0288521 A1 19881102; EP 0288521 A4 19910911; ES 2005421 A6 19890301; JP H01501085 A 19890413; JP H07109254 B2 19951122

DOCDB simple family (application)  
**US 8702660 W 19871009**; CA 550493 A 19871028; EP 87907200 A 19871009; ES 8703083 A 19871028; JP 50660887 A 19871009