

Title (en)  
TEST AND MONITORING SYSTEM FOR A SUMP PUMP INSTALLATION HAVING A SELF-MONITORING VALVE MODULE FOR ADMITTING WATER TO THE SUMP PIT

Title (de)  
TEST- UND ÜBERWACHUNGSSYSTEM FÜR EINE SUMPFPUMPENANLAGE MIT SELBSTÜBERWACHUNGSVENTILMODUL ZUM EINFÜHREN VON WASSER ZU EINEM PUMPENSUMPF

Title (fr)  
SYSTÈME DE TEST ET DE CONTRÔLE POUR INSTALLATION DE POMPE DE PUISARD POSSÉDANT UN MODULE DE CLAPET À CONTRÔLE AUTOMATIQUE POUR ADMISSION D'EAU DANS LE PUISARD

Publication  
**EP 3074635 A4 20170802 (EN)**

Application  
**EP 14866279 A 20141117**

Priority  
• US 201361908881 P 20131126  
• US 201414491207 A 20140919  
• US 2014065867 W 20141117

Abstract (en)  
[origin: WO2015080886A2] A self-monitoring valve module responsive to an actuating signal for admitting liquid into a sump container to test a sump pump includes an electrically-actuated valve responsive to the actuating signal to establish flow into the container, and a flow sensor which provides an output signal indicative of liquid flow through the valve, and a monitoring circuit which provides a fault signal indicating failure of the valve when the actuating signal is not calling for actuation of the valve and the flow sensor output signal indicates flow through the fluid conduit, or when the actuating signal is calling for actuation of the valve and the flow sensor output signal indicates no flow in the fluid conduit.

IPC 8 full level  
**F04D 13/06** (2006.01); **F04D 13/08** (2006.01); **F04D 13/12** (2006.01); **F04D 15/00** (2006.01); **F04D 15/02** (2006.01); **F16K 37/00** (2006.01); **G01F 23/74** (2006.01)

CPC (source: EP)  
**F04D 13/068** (2013.01); **F04D 13/086** (2013.01); **F04D 13/12** (2013.01); **F04D 15/0088** (2013.01); **F04D 15/0218** (2013.01); **G01F 23/74** (2013.01)

Citation (search report)  
• [X] WO 2007051470 A2 20070510 - DANTAET ELECTRONICS AS [DK], et al  
• See references of WO 2015080886A2

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2015080886 A2 20150604**; **WO 2015080886 A3 20151210**; **WO 2015080886 A9 20151022**; AU 2014355057 A1 20160519; AU 2014355057 B2 20180510; CA 2931194 A1 20150604; CA 2931194 C 20180424; EP 3074635 A2 20161005; EP 3074635 A4 20170802

DOCDB simple family (application)  
**US 2014065867 W 20141117**; AU 2014355057 A 20141117; CA 2931194 A 20141117; EP 14866279 A 20141117