

Title (en)  
SYSTEMS AND METHODS FOR MONITORING A FLOW PATH

Title (de)  
SYSTEME UND VERFAHREN ZUR ÜBERWACHUNG EINES STRÖMUNGSWEGES

Title (fr)  
SYSTÈMES ET PROCÉDÉS DE SURVEILLANCE D'UN PARCOURS D'ÉCOULEMENT

Publication  
**EP 2872875 A4 20160727 (EN)**

Application  
**EP 13837413 A 20130910**

Priority  
• US 201213616106 A 20120914  
• US 2013058864 W 20130910

Abstract (en)  
[origin: WO2014043057A1] Disclosed are systems and methods for analyzing a flow of a fluid at two or more discrete locations to determine the concentration of a substance therein. One method of determining a characteristic of a fluid may include containing a fluid within a flow path that provides at least a first monitoring location and a second monitoring location, generating a first output signal corresponding to the characteristic of the fluid at the first monitoring location with a first optical computing device, generating a second output signal corresponding to the characteristic of the fluid at the second monitoring location with a second optical computing device, receiving first and second output signals from the first and second optical computing devices, respectively, with a signal processor, and determining a difference between the first and second output signals with the signal processor.

IPC 8 full level  
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Citation (search report)  
• [XP] WO 2013022570 A2 20130214 - HALLIBURTON ENERGY SERVICES INC [US], et al  
• [X] WO 9409266 A1 19940428 - IRIS GMBH INFRARED & INTELLIGE [DE], et al  
• [IY] US 2012150451 A1 20120614 - SKINNER NEAL G [US], et al  
• [Y] US 2011023588 A1 20110203 - WESTNER HANS [DE], et al  
• [A] US 2005088653 A1 20050428 - COATES JOHN [US], et al  
• [A] WO 2007062001 A2 20070531 - BOC GROUP INC [US], et al  
• See references of WO 2014043057A1

Designated contracting state (EPC)  
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**WO 2014043057 A1 20140320**; AU 2013315789 A1 20150226; BR 112015003473 A2 20170704; BR 112015003473 B1 20210309; CA 2882203 A1 20140320; EP 2872875 A1 20150520; EP 2872875 A4 20160727; MX 2015002059 A 20150605; MX 342276 B 20160922; NZ 704576 A 20160527; SA 515360081 B1 20160526; SG 11201501174P A 20150528

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