

Title (en)

TUBE AND FLOAT SYSTEMS AND METHODS OF USING THE SAME

Title (de)

ROHR- UND SCHWIMMERSYSTEME UND VERFAHREN ZUR VERWENDUNG DAVON

Title (fr)

SYSTÈMES DE TUBE ET FLOTTEUR ET PROCÉDÉS D'UTILISATION DE CES DERNIERS

Publication

EP 2951578 A4 20160914 (EN)

Application

EP 14746363 A 20140128

Priority

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- US 2014013434 W 20140128

Abstract (en)

[origin: WO2014120678A2] This disclosure is directed to systems and methods for analyzing target materials of a suspension include a tube and a float. The float may include expandable portions. The system traps a target analyte between the expandable float and the tube and/or to create a seal between the expandable float and the tube to inhibit fluid from flowing past the expandable float in the tube. The expandable portions may radially expand when exposed to an expanding fluid, such that the expanding fluid is not a naturally-occurring constituent of the suspension; or, the expandable portions may radially expand when a force is exerted upon the expandable portion. A tube may include expandable portions that expand towards the float.

IPC 8 full level

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CPC (source: EP)

B01L 3/50215 (2013.01); **G01N 33/491** (2013.01)

Citation (search report)

- [A] US 3919085 A 19751111 - AYRES WALDEMAR A
- [A] US 2008132874 A1 20080605 - EMERSON JANE [US]
- See references of WO 2014120678A2

Designated contracting state (EPC)

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