Title (en)

Method of optimisation of a device for regulating and dampening of a polyphasic flow and device obtained by this method

Title (de)

Verfahren zur Optimierung einer Vorrichtung zur Regelung und Dämpfung eines Mehrphasenflusses sowie durch das Verfahren erhaltene Vorrichtung

Title (fr)

Procédé d'optimisation d'un dispositif de régulation et d'amortissement d'un écoulement polyphasique et dispositif obtenu par le procédé

Publication

**EP 0549440 B1 19961016 (FR)**

Application

**EP 92403476 A 19921218**

Priority

- FR 9116231 A 19911227
- FR 9209642 A 19920811

Abstract (en)

[origin: EP0549440A1] The characteristics of a device for regulating and damping the fluctuations in composition of a polyphase flow, comprising a buffer storage vessel or sphere (2) and a sampling tube (3) placed between a source of effluents (5) and a polyphase pump (P) are optimised by selecting the volume of the storage vessel and the distribution of the orifices (4) in the sampling tube so as to define a mean level about which the level of the liquid-gas interface (6) is stabilised and so that the volume of the liquid phase corresponding to this mean level is at least equal to the volume of liquid needed to remove all the foreseeable volume of gas phase originating from the source of effluents. In the case of a large volume of gas phase, an unpierced tube is introduced inside the sampling tube. <IMAGE>

IPC 1-7

**E21B 43/34**; E21B 43/00; F04D 31/00; B01F 3/04

IPC 8 full level

**E21B 43/00** (2006.01); **E21B 43/34** (2006.01); **F04D 31/00** (2006.01)

CPC (source: EP US)

**E21B 43/00** (2013.01 - EP US); **E21B 43/34** (2013.01 - EP US); **F04D 31/00** (2013.01 - EP US); Y10S 261/75 (2013.01 - EP US); Y10T 137/0318 (2015.04 - EP US); Y10T 137/0357 (2015.04 - EP US); Y10T 137/2931 (2015.04 - EP US)

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DOCDB simple family (publication)

**EP 0549440 A1 19930630**; **EP 0549440 B1 19961016**; BR 9205170 A 19930817; CA 2086297 A1 19930628; CA 2086297 C 20040608; DK 0549440 T3 19970324; NO 302403 B1 19980302; NO 925009 D0 19921223; NO 925009 L 19930628; US 5421357 A 19950606; US 5494067 A 19960227

DOCDB simple family (application)

**EP 92403476 A 19921218**; BR 9205170 A 19921228; CA 2086297 A 19921224; DK 92403476 T 19921218; NO 925009 A 19921223; US 37043595 A 19950109; US 99753492 A 19921228