

Title (en)
METHOD AND DEVICE FOR DETECTING THE LEVEL AT WHICH LIQUID AND GAS PHASES ARE SEPARATE IN A METALLIC RESERVOIR

Title (de)
VERFAHREN UND VORRICHTUNG ZUR ERFASSUNG DER HÖHE, AUF DER FLÜSSIGKEITS- UND GASPHASEN IN EINEM METALLBEHÄLTER GETRENNT SIND

Title (fr)
PROCEDE ET DISPOSITIF POUR DETECTER LE NIVEAU DE SEPARATION DES PHASES LIQUIDE ET GAZEUSE DANS UN RESERVOIR METALLIQUE

Publication
EP 1668286 A1 20060614 (FR)

Application
EP 04791454 A 20041001

Priority
• FR 2004002490 W 20041001
• FR 0311594 A 20031003

Abstract (en)
[origin: WO2005033576A1] The invention comprises the following steps consisting of: measuring the temperature of the wall of a reservoir (4) at two locations, one of which being located no higher than the minimum admissible level of separation and the other being no lower than the maximum authorized level, this measurement being effected in a limited period of time after the filling of the reservoir, and; comparing the measured temperatures in order to remove the reservoir from the commercial circuit when the temperatures are identical. The device comprises a frame (1) that supports two infrared pyrometers (6) oriented toward the reservoir (4) and placed at locations thereof, and comprises processing means for comparing the temperatures measured by the pyrometers in order to remove the reservoir from the commercial circuit when the temperatures are identical.

IPC 1-7
F17C 5/00; **F17C 13/02**; **F17C 6/00**; **G01F 23/00**; **G01K 13/00**

IPC 8 full level
F17C 5/00 (2006.01); **F17C 6/00** (2006.01); **F17C 13/02** (2006.01); **G01F 23/22** (2006.01); **G01F 23/24** (2006.01); **G01F 23/284** (2006.01); **G01K 13/00** (2006.01)

CPC (source: EP)
F17C 5/00 (2013.01); **F17C 5/005** (2013.01); **F17C 5/06** (2013.01); **F17C 13/02** (2013.01); **F17C 13/021** (2013.01); **F17C 13/026** (2013.01); **G01F 23/22** (2013.01); **G01F 23/247** (2013.01); **G01F 23/248** (2013.01); **G01F 23/284** (2013.01); **G01K 13/00** (2013.01); **F17C 2201/0109** (2013.01); **F17C 2201/058** (2013.01); **F17C 2205/018** (2013.01); **F17C 2221/035** (2013.01); **F17C 2223/0153** (2013.01); **F17C 2223/033** (2013.01); **F17C 2250/0408** (2013.01); **F17C 2250/0439** (2013.01); **F17C 2250/0491** (2013.01); **F17C 2250/0495** (2013.01); **F17C 2260/024** (2013.01); **F17C 2270/059** (2013.01); **F17C 2270/0745** (2013.01)

Citation (search report)
See references of WO 2005033576A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
FR 2860573 A1 20050408; **FR 2860573 B1 20060121**; EP 1668286 A1 20060614; WO 2005033576 A1 20050414

DOCDB simple family (application)
FR 0311594 A 20031003; EP 04791454 A 20041001; FR 2004002490 W 20041001