

Title (en)

METHOD FOR FAULT LOCALIZATION AND DIAGNOSIS IN A FLUIDIC INSTALLATION

Title (de)

VERFAHREN ZUR FEHLEREINGRENZUNG UND DIAGNOSE AN EINER FLUIDISCHEN ANLAGE

Title (fr)

PROCÉDÉ DE LOCALISATION DE DÉFAUT ET DE DIAGNOSTIC D'UNE INSTALLATION FLUIDIQUE

Publication

EP 2047118 A1 20090415 (DE)

Application

EP 07703456 A 20070214

Priority

EP 2007001269 W 20070214

Abstract (en)

[origin: WO2008098589A1] The invention relates to a method for fault localization and diagnosis in a fluidic installation, wherein the fluidic volume flow of the overall installation, or of at least a partial region of the same, or a variable as a measuring variable that is dependent thereon, are each recorded during an operating cycle and compared to stored references. At the time of a variation or change of the variation from the reference, it is determined in which component or components (10-14) of the installation a process influencing the fluid consumption has taken place in order to then identify the same as faulty. In case of such a variation, or change of variation, and in case of a simultaneous occurrence of a plurality of processes influencing the fluid consumption by a plurality of components (10-14), an exclusion process is carried out, in which subsequent activities, in which at least one of these components (10-14) is involved, are tested in subsequent test steps in order to see if in turn a variation, or change of variation occurs, wherein the components involved are excluded from further testing as non-faulty in each of these testing steps, if no variation, or change of variation, occurs.

IPC 8 full level

F15B 19/00 (2006.01)

CPC (source: EP KR US)

F15B 19/00 (2013.01 - KR); **F15B 19/005** (2013.01 - EP US)

Citation (search report)

See references of WO 2008098589A1

Cited by

US11472392B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

WO 2008098589 A1 20080821; AT E529643 T1 20111115; CN 101427033 A 20090506; EP 2047118 A1 20090415; EP 2047118 B1 20111019; KR 20100014067 A 20100210; TW 200846275 A 20081201; US 2010153026 A1 20100617; US 7917325 B2 20110329

DOCDB simple family (application)

EP 2007001269 W 20070214; AT 07703456 T 20070214; CN 200780013439 A 20070214; EP 07703456 A 20070214; KR 20087022800 A 20070214; TW 97104879 A 20080212; US 8534107 A 20070214