

Title (en)

PROCESS AND DEVICE TO DETERMINE THE INTERNAL PRESSURE OF A CONTAINER

Publication

**EP 0365005 A3 19910424 (DE)**

Application

**EP 89119418 A 19891019**

Priority

DD 32096388 A 19881021

Abstract (en)

[origin: EP0365005A2] The invention relates to a process and a device to determine the internal pressure of an evacuated container. It assumes that two electrodes (3, 4), which are insulated with respect to one another, are provided in a container (1). A high electric voltage (U) is applied to the electrodes (3, 4), and an electromagnetic radiation outside the container (1) is detected by means of a probe (5). In this regard, the invention proceeds from the innovative realisation that when the voltage remains constant the variation in intensity of said electromagnetic radiation is overlaid by variations in intensity with a frequency that represents a measure of the internal pressure in the container (1). Consequently, an output unit (7) is provided in order to analyse and to evaluate said frequency variation, and thus to obtain data on the internal pressure. <IMAGE>

IPC 1-7

**H01H 33/66**

IPC 8 full level

**H01H 33/668** (2006.01)

CPC (source: EP)

**H01H 33/668** (2013.01)

Citation (search report)

- [Y] US 4534741 A 19850813 - FARRALL GEORGE A [US]
- [YD] DD 257296 A1 19880608 - AKAD WISSENSCHAFTEN DDR [DD]
- [A] EP 0150389 A1 19850807 - SIEMENS AG [DE]
- [XP] EP 0309852 A1 19890405 - SIEMENS AG [DE]
- [A] SIEMENS ZEITSCHRIFT. vol. 45, no. 2, Februar 1978, ERLANGEN DE Seiten 87 - 89; W. KUHL AND K. WIEHL: "DEVICE FOR MEASURING THE INTERNAL PRESSURE OF VACUUM INTERRUPTERS"

Cited by

FR2681470A1; DE4203757A1; DE4203757C2; DE4310619A1; US5399973A; EP0758794A1; US5739419A; EP0537074A1; FR2682527A1; US7383733B2; US7802480B2; US7225676B2; US7302854B2; WO2007070700A3; WO2005117048A1; US7497122B2; US7313964B2

Designated contracting state (EPC)

AT CH DE FR GB LI NL SE

DOCDB simple family (publication)

**EP 0365005 A2 19900425; EP 0365005 A3 19910424**; DD 276358 A1 19900221

DOCDB simple family (application)

**EP 89119418 A 19891019**; DD 32096388 A 19881021