

Title (en)

Device for detecting a loss of vacuum in a vacuum cutting device and vacuum cutting device comprising such a device

Title (de)

Vorrichtung zur Erfassung des Vakuumverlustes in einem Vakuum-Unterbrechungsgerät, und Vakuum-Unterbrechungsgerät, das eine solche Vorrichtung enthält

Title (fr)

Dispositif de détection de la perte de vide dans un appareil de coupure à vide et appareil de coupure à vide comportant un tel dispositif

Publication

**EP 2463883 B1 20150304 (FR)**

Application

**EP 11354049 A 20110923**

Priority

FR 1004796 A 20101209

Abstract (en)

[origin: EP2463883A1] The device has a current measuring unit measuring current circulating in a cylindrical strip (16) of a conductive layer (15), where change in the current value assures change in a vacuum space value to assure detection of loss of vacuum inside a vacuum cut-off apparatus (A). The strip forms vacuum and solid spaces (17, 18) in series. The vacuum space is formed between a movable electrode (5) or a fixed electrode (4) and an inner face (19) of a cylindrical insulating part (8) of a metal envelope (1). The solid space is formed between the inner face of the insulating part and the strip. The insulating part is partially made of insulating material such as ceramics. An independent claim is also included for a vacuum tube comprising a vacuum loss detecting system.

IPC 8 full level

**H01H 33/66** (2006.01)

CPC (source: EP US)

**H01H 9/54** (2013.01 - EP US); **H01H 33/668** (2013.01 - EP US); **H01H 33/59** (2013.01 - EP US)

Cited by

EP4012740A1; FR3117263A1; CN103022928A; CN103336474A; EP3098830A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**EP 2463883 A1 20120613**; **EP 2463883 B1 20150304**; CN 102543564 A 20120704; CN 102543564 B 20160629; FR 2968827 A1 20120615; FR 2968827 B1 20121221; US 2012145674 A1 20120614; US 8658932 B2 20140225

DOCDB simple family (application)

**EP 11354049 A 20110923**; CN 201110409218 A 20111209; FR 1004796 A 20101209; US 201113373392 A 20111114