Title (en)

Device for monitoring the vacuum of a vacuum switch

Title (de)

Vorrichtung zur Überwachung des Vakuums eines Vakuumschalters

Title (fr)

Dispositif de surveillance du vide d'un disjoncteur sous vide

Publication

EP 0758794 B1 20000223 (DE)

Application

EP 96110096 A 19960621

Priority

DE 19529499 A 19950810

Abstract (en)

[origin: EP0758794A1] A device for monitoring the vacuum of a vacuum switch having at least one vacuum switching tube (interrupter), a switch chamber and switch contacts and a remotely interrogated or scanned pressure measuring sensor arranged within the vacuum interrupter, and a remote interrogation device. The device enables measurement to be carried out both with a contact open as well as with a contact closed during operation e.g. during measurement of pressure-proportional ion current flow in the vacuum interrupter. Thus the remotely interrogated pressure measuring sensor used comprises a surface wave filter or a surface wave resonator and the remote interrogation device comprises a transmitter, a receiver and an evaluation device.

IPC 1-7

H01H 33/66

IPC 8 full level

H01H 33/66 (2006.01); **H01H 33/668** (2006.01)

CPC (source: EP US)

H01H 33/668 (2013.01 - EP US); H01H 2033/6686 (2013.01 - EP US)

Cited by

DE102007021172A1; DE102007021172B4; WO2006034907A1

Designated contracting state (EPC)

CH DE FR GB IT LI

DOCDB simple family (publication)

EP 0758794 A1 19970219; **EP 0758794 B1 20000223**; DE 59604482 D1 20000330; US 5739419 A 19980414

DOCDB simple family (application)

EP 96110096 A 19960621; DE 59604482 T 19960621; US 69493996 A 19960809