

Title (en)

FLOW VENT ADJUSTABLE SYSTEM FOR BUCHHOLZ RELAY

Title (de)

EINSTELLBARES STRÖMUNGSENTLÜFTUNGSSYSTEM FÜR EIN BUCHHOLZRELAIS

Title (fr)

SYSTÈME RÉGLABLE D'ÉVENT D'ÉCOULEMENT POUR RELAIS DE BUCHHOLZ

Publication

**EP 3098827 A1 20161130 (EN)**

Application

**EP 15169198 A 20150526**

Priority

EP 15169198 A 20150526

Abstract (en)

The present invention relates to a Buchholz relay (1) for the protection of oil insulated power electrical equipment, comprising: - a support frame (2) suitable to be in contact with the oil; - floating means (3) coupled with said support frame (2) and movable relative thereto; - switching means (4) operatively connected with said floating means (3) and suitable to enable/disable an alarm circuit and/or a trip circuit of said electrical equipment; - at least one flow vent device (5) coupled with said support frame (2) and operatively connected to said trip circuit, suitable to be affected by the oil flow and movable between a first position, in which the flow vent device (5) maintains said trip circuit disabled, and a second position, in which the flow vent device (5) enables said trip circuit; - contrast means (6) suitable to exert on the flow vent device (5) a contrast force suitable to maintain the flow vent device (5) in the first position until the oil flow speed does not exceed a predetermined oil flow speed threshold value, and to release the flow vent device (5) such that it reaches the second position when the oil flow speed exceeds said predetermined oil flow speed threshold value. The Buchholz relay (1) comprises a regulation device (19) suitable to act on the contrast means (6) and/or on the flow vent device (5) so to modify said contrast force.

IPC 8 full level

**H01F 27/40** (2006.01); **H01H 33/55** (2006.01); **H01H 35/40** (2006.01); **H01H 36/02** (2006.01)

CPC (source: CN EP)

**H01F 27/402** (2013.01 - EP); **H01H 33/555** (2013.01 - EP); **H01H 35/26** (2013.01 - CN); **H01H 35/40** (2013.01 - EP); **H01F 2027/404** (2013.01 - EP); **H01H 36/02** (2013.01 - EP)

Citation (applicant)

WO 2009019732 A1 20090212 - COMEM SPA [IT], et al

Citation (search report)

- [XA] DE 3248275 A1 19830915 - BARLEBEN ELEKTROMOTOREN [DD]
- [XA] EP 2669910 A1 20131204 - ABB TECHNOLOGY AG [CH]
- [A] EP 0944150 A2 19990922 - COMEM SPA [IT]

Cited by

CN108072578A

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 3098827 A1 20161130**; **EP 3098827 B1 20181017**; CN 106206156 A 20161207; CN 106206156 B 20190723

DOCDB simple family (application)

**EP 15169198 A 20150526**; CN 201610348204 A 20160524