

Title (en)

Deionization device for gases, particularly for cut off gases in an arc extinguishing chamber of a low tension molded case circuit breaker and arc extinguishing chamber equipped with such a device

Title (de)

Entionisierungsvorrichtung für Gase, insbesondere für Schaltgase in eine Lichtbogenlöschkammer eines Niederspannungslastschalters mit gegossenem Gehäuse, und mit einer solchen Vorrichtung versehene Lichtbogenlöschkammer

Title (fr)

Dispositif de désionisation des gaz notamment des gaz de coupure dans une chambre d'extinction d'arc d'un disjoncteur basse tension à boîtier moulé et chambre d'extinction d'arc équipée de ce dispositif

Publication

**EP 0817223 B1 20020508 (FR)**

Application

**EP 97410062 A 19970613**

Priority

FR 9608301 A 19960628

Abstract (en)

[origin: EP0817223A1] The mesh may be triangular formed by alternately undulating wires tangential to a straight wire in the median plane. At least one mesh has the two wires undulating alternately under and over the straight wire in opposite senses. An alternative has the wires overlapping, passing above and below two straight wires and shifting relative to preceding wire. The diameter of the undulating wires is less than that of the straight wires. The opening may have three layers of rep or mesh which get progressively finer as the gas passes through. The first layer has undulating and straight wire of diameter above 0.5 mm with a nominal opening greater than 400  $\mu$ m while the last layer has a nominal opening less than 200  $\mu$ m.

IPC 1-7

**H01H 9/34**

IPC 8 full level

**H01H 9/34** (2006.01)

CPC (source: EP KR US)

**H01H 9/34** (2013.01 - KR); **H01H 9/342** (2013.01 - EP US)

Cited by

DE102012110409A1; WO2015067462A1; CN106876197A; EP0903826A1; CN106796851A; US9761392B2; US10079121B2; EP4167260A1; FR3128055A1; WO2016071134A1; US9899158B2; EP3179497A1; EP3223292A1; US10020143B2; US10020144B2; DE202018002584U1

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