

Title (en)
METHOD AND APPARATUS FOR IONISING A GAS

Title (de)
VERFAHREN UND VORRICHTUNG ZUR IONISIERUNG EINES GASES

Title (fr)
PROCÉDÉ ET DISPOSITIF POUR L'IONISATION D'UN GAZ

Publication
EP 4246742 A1 20230920 (EN)

Application
EP 23161342 A 20230310

Priority
GB 202203530 A 20220314

Abstract (en)
A method of ionising a gas comprises applying an electric potential to one or more ionising elements of a gas ionising device (or ioniser 400), sensing electrical characteristics associated with the gas ionising device, and then using the sensed electrical characteristics to determine which one of at least two different modes of operation to then use when operating the gas ionising device to ionise the gas. The ioniser may thus detect in a start-up phase the type of gas present, which might be nitrogen, air or argon, and automatically select an appropriate mode of operation. The ioniser (400) may be in the form of a static eliminator with pointed electrodes (420).

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CPC (source: EP)
H01T 19/04 (2013.01); **H01T 23/00** (2013.01); **H05F 3/06** (2013.01)

Citation (search report)

- [XAI] JP 2008159273 A 20080710 - KEYENCE CO LTD
- [A] EP 3950140 A1 20220209 - FUJI ELECTRIC CO LTD [JP]
- [A] US 2007274019 A1 20071129 - NAKAJIMA YOMATSU [JP]

Designated contracting state (EPC)
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