

Title (en)

CONTROL SYSTEM OF A BALANCED MICRO-PULSED IONIZER BLOWER

Title (de)

STEUERUNGSSYSTEM EINES AUSGEGLICHENEN MIKROGEPULSTEN IONISIERERGERBLÄSES

Title (fr)

SYSTÈME DE COMMANDE D'UNE SOUFFLANTE IONISANTE MICRO-PULSÉE ÉQUILIBRÉE

Publication

EP 3545592 B1 20210825 (EN)

Application

EP 17809153 A 20171127

Priority

- US 201615362280 A 20161128
- US 2017063252 W 20171127

Abstract (en)

[origin: WO2018098421A1] A control system of a balanced micro-pulsed ionizing blower is provided, the control system comprising: a micro-pulsed high voltage AC (alternating current) power source 230 configured to generate short duration positive polarity ionizing pulses 801 and short duration negative polarity ionizing pulses 802; an ion balance control system configured to receive output signals 250 from at least one of a remote ionization current return sensor 204 or a remote ionization voltage sensor 101 in a time interval between the ionizing pulses; and a microcontroller 201 configured to control the AC power source based on the output signals.

IPC 8 full level

H01T 23/00 (2006.01)

CPC (source: EP KR)

H01T 23/00 (2013.01 - EP KR)

Citation (examination)

- US 2015245455 A1 20150827 - OLDYNSKI EDWARD [US], et al
- WO 2015142408 A1 20150924 - ILLINOIS TOOL WORKS [US]

Cited by

US11843225B2; WO2022256615A1; USD1018818S

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)

WO 2018098421 A1 20180531; CN 109983642 A 20190705; CN 109983642 B 20211126; EP 3545592 A1 20191002; EP 3545592 B1 20210825; JP 2020501308 A 20200116; JP 7127025 B2 20220829; KR 102525815 B1 20230425; KR 20190086556 A 20190722; TW 201834341 A 20180916; TW I737860 B 20210901

DOCDB simple family (application)

US 2017063252 W 20171127; CN 201780071638 A 20171127; EP 17809153 A 20171127; JP 2019528715 A 20171127; KR 20197018887 A 20171127; TW 106141335 A 20171128