

Title (en)

Device and method to remove impurities, ash or similar from a brazier for heaters

Title (de)

Vorrichtung und Verfahren zum Entfernen von Verunreinigungen, Asche oder dergleichen aus einem Herd für Heizungen

Title (fr)

Dispositif et procédé pour éliminer les impuretés, les cendres ou similaires d' un brasier pour appareils de chauffage

Publication

**EP 1260764 A1 20021127 (EN)**

Application

**EP 02011338 A 20020523**

Priority

IT UD20010096 A 20010525

Abstract (en)

Device and method to remove impurities, ash (31) or similar from a brazier for heaters (10, 110, 210), the brazier comprising a base wall (15) including through apertures (17) for the passage of air. The device comprises agitator means (20) in cooperation with part of the base wall (15) to shake and selectively remove impurities, such as ash, soot or similar, which have been deposited on the base wall (15) and at least partly occluding the apertures (17). The device comprises motorized drive means (23) associated with the agitator means (20) and able to be selectively driven by a control center (28), the device also comprising detection means (29, 30, 32) to detect at least an operating condition of the heater, during the functioning thereof, able to send signals to the control center (28) to command the selective drive of the agitator means (20). <IMAGE>

IPC 1-7

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IPC 8 full level

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CPC (source: EP)

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Citation (applicant)

- DE 17109 C
- DE 24023 C
- JP S56149511 A 19811119 - TOSHIBA DENKI KIGU KK

Citation (search report)

- [Y] GB 827268 A 19600203 - VORKAUF HEINRICH
- [AD] DE 17109 C
- [AD] GB 2178523 A 19870211 - AARROW DYNAMICS LIMITED
- [A] US 4313387 A 19820202 - SATO KANICHI
- [A] EP 0915289 A2 19990512 - PYRO IND INC [US]
- [YD] PATENT ABSTRACTS OF JAPAN vol. 006, no. 033 (M - 114) 27 February 1982 (1982-02-27)
- [AD] PATENT ABSTRACTS OF JAPAN vol. 002, no. 119 (M - 035) 4 October 1978 (1978-10-04)

Cited by

EP2573462A1; DE102010015626A1; AT503043B1; IT201800002664A1; IT201700012189A1; FR2980555A1; EP2400217B1

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