

Title (en)

Continuous-type gasifier, in particular for biomass and urban and industrial wastes

Title (de)

Kontinuierlicher Vergaser, insbesondere für Biomasse und städtische und industrielle Abfälle

Title (fr)

Gazéificateur de type continu, en particulier pour de la biomasse et des déchets urbains et industriels

Publication

EP 2716740 A1 20140409 (EN)

Application

EP 13004693 A 20130927

Priority

IT TO20120856 A 20121002

Abstract (en)

A continuous-type gasifier (1) of the "down-draft" type is described, in particular for biomasses and urban and industrial wastes, comprising at least one reaction chamber (3) divided into at least one upper portion (3a) and at least one lower exhaustion portion (3b) by at least one mobile grid (21) for withdrawing charcoal and supporting a solid bed, such reaction chamber (3) having at least one first upper end equipped with at least one opening (5) for introducing substances to be gasified inside such chamber (3), such chamber (3) being internally equipped with at least one rotary stirring shaft (13), such shaft (13) being equipped with a plurality of openings (15) for delivering inside such chamber (3) at least one comburent fluid pre-heated at a temperature sufficient to guarantee triggering oxidation reactions.

IPC 8 full level

F23G 5/027 (2006.01); **C10J 3/24** (2006.01); **C10J 3/26** (2006.01); **C10J 3/32** (2006.01); **C10J 3/42** (2006.01); **C10J 3/80** (2006.01); **F23B 30/04** (2006.01); **F23G 5/26** (2006.01); **F23G 5/28** (2006.01)

CPC (source: EP)

C10J 3/24 (2013.01); **C10J 3/26** (2013.01); **C10J 3/32** (2013.01); **C10J 3/42** (2013.01); **C10J 3/80** (2013.01); **F23G 5/0276** (2013.01); **F23G 5/26** (2013.01); **F23G 5/28** (2013.01); **C10J 2200/152** (2013.01); **C10J 2300/0916** (2013.01); **C10J 2300/0946** (2013.01); **C10J 2300/0956** (2013.01); **F23G 2201/603** (2013.01); **F23G 2201/80** (2013.01)

Citation (applicant)

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- CA 2432202 A1 20041213 - CARNEGIE LYLE EDMUND [CA]

Citation (search report)

- [X] US 4583992 A 19860422 - ROGERS CHESTER D [US]
- [A] CA 2432202 A1 20041213 - CARNEGIE LYLE EDMUND [CA]
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Designated contracting state (EPC)

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