

Title (en)

METHOD OF BURNING A GRANULAR FUEL MATERIAL

Title (de)

VERFAHREN ZUM VERBRENNEN EINES KÖRNIGEN BRENNSTOFFS

Title (fr)

PROCÉDÉ DE COMBUSTION D'UN COMBUSTIBLE GRANULAIRE

Publication

**EP 3447375 A1 20190227 (EN)**

Application

**EP 18195524 A 20130319**

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- CA 2771112 A 20120321

Abstract (en)

The present invention relates to a method of burning a granular fuel material, the method including the concurrent steps of loading the granular fuel material in a loading area of a bed floor; vibrating the bed floor to move the granular fuel material from the loading area towards a discharge opening located away from the loading area; feeding primary air across the bed floor, the primary air coming from a bottom side and passing through a multitude of perforations made in the bed floor; drying the granular fuel material after the granular fuel material is loaded onto the bed floor; transforming the dried granular fuel material into volatile compounds and char, and generating heat above the bed floor; collecting and concentrating the char passing through the discharge opening into a chamber extending underneath the bed floor; and generating heat by burning the char inside the chamber as the char is moved from the discharge opening towards an outlet end of the chamber by the vibrations of the bed floor.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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- [A] WO 03025459 A1 20030327 - FLS MILJOE AS [DK], et al
- [A] US 169655 A 18751109
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