

Title (en)  
FLUIDIZED BED FURNACE AND WASTE PROCESSING METHOD

Title (de)  
FLÜSSIGBETTOFEN UND ABFALLVERARBEITUNGSVERFAHREN

Title (fr)  
FOUR À LIT FLUIDISÉ ET PROCÉDÉ DE TRAITEMENT DES DÉCHETS

Publication  
**EP 2587146 A4 20151007 (EN)**

Application  
**EP 11797836 A 20110621**

Priority

- JP 2010141830 A 20100622
- JP 2011003527 W 20110621

Abstract (en)  
[origin: EP2587146A1] Disclosed is a waste treatment technique characterized in that it comprises: blowing a fluidizing gas from around a non-combustible substance discharge port (29) toward fluidizable particles to form a first fluidization region (15), while blowing a fluidizing gas between the first fluidization region (15) and a front wall (24) at a flow velocity less than that in the first fluidization region (15) to form a second fluid region (16) having a relatively low degree of fluidization of fluidizable particles (12); returning fluidizable particles (12) discharged from the non-combustible substance discharge port (29) to a fluidized bed (14) from the side of the front wall (24) to form, in the fluidized bed (14), a flow of fluidizable particles (12) directed from the front wall (24) to the non-combustible substance discharge port (29); supplying waste (18) from the front wall (24) onto the fluidized bed (14) to cause the waste (18) to be accumulated on the second fluidization region (16) while causing the accumulated waste (18) to be moved into the first fluidization region (15) step-by-step and gasified.

IPC 8 full level  
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Citation (search report)

- [Y] JP H109511 A 19980116 - EBARA CORP
- [Y] JP S61205720 A 19860911 - KOBE STEEL LTD
- [Y] JP S58108317 A 19830628 - FUJI ELECTRIC CO LTD
- [A] JP H0755123 A 19950303 - TAKUMA KK
- [A] US 4777889 A 19881018 - SMITH RICHARD D [US]
- See references of WO 2011161947A1

Designated contracting state (EPC)  
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