

Title (en)

Method for processing residues and/or ash from thermal treatment of refuse

Title (de)

Verfahren zur Aufbereitung von Schlacke und/oder Asche aus der thermischen Behandlung von Müll

Title (fr)

Procédé de traitement de scories provenant du traitement thermique de déchets

Publication

EP 0908673 B1 20020515 (DE)

Application

EP 97810772 A 19971013

Priority

EP 97810772 A 19971013

Abstract (en)

[origin: EP0908673A1] A carbon-rich heavy metal-containing slag and/or ash from waste thermal treatment is heated in a rotary kiln to reduce its heavy metal content to metallic form and evaporate volatile heavy metals. Slag and/or ash, from waste thermal treatment, is processed by (a) pyrolyzing, gasifying or partially incinerating the waste (1) to form a carbon-rich heavy metal-containing slag and/or ash (8); (b) heating the slag and/or ash (8) in a rotary kiln (6) to below its melting temperature to convert the heavy metal content into the metallic form by reduction with the carbon content and to convert the volatile heavy metals into the gaseous phase which is entrained with the flue gas (9) from the kiln (6); and (c) discharging a heavy metal-depleted slag (15) from the kiln (6).

IPC 1-7

F23G 5/16; **F23G 5/027**; **F23G 5/20**

IPC 8 full level

C04B 5/00 (2006.01); **F23G 5/027** (2006.01); **F23G 5/14** (2006.01); **F23G 5/16** (2006.01); **F23G 5/20** (2006.01)

CPC (source: EP KR US)

F23G 5/027 (2013.01 - EP US); **F23G 5/16** (2013.01 - EP KR US); **F23G 5/20** (2013.01 - EP US); **F23G 2209/30** (2013.01 - EP US)

Cited by

EP2428493A1; AT523447A1; AT523447B1; US10081545B2; EP1111305A1; EP3514121A3; WO2020127066A1; WO2014177228A1; US11364481B2; EP2228146A1

Designated contracting state (EPC)

AT BE CH DE DK FI FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0908673 A1 19990414; **EP 0908673 B1 20020515**; AT E217699 T1 20020615; DE 59707290 D1 20020620; JP H11193911 A 19990721; KR 19990037010 A 19990525; NO 984755 D0 19981012; NO 984755 L 19990414; TW 502099 B 20020911; US 6036484 A 20000314

DOCDB simple family (application)

EP 97810772 A 19971013; AT 97810772 T 19971013; DE 59707290 T 19971013; JP 28934798 A 19981012; KR 19980042446 A 19981010; NO 984755 A 19981012; TW 87116551 A 19981006; US 16913998 A 19981009