

Title (en)
Incinerator

Title (de)
Müllverbrennungsanlage

Title (fr)
Incinérateur

Publication
EP 0952395 A3 20000223 (EN)

Application
EP 99107185 A 19990413

Priority
JP 10643398 A 19980416

Abstract (en)
[origin: EP0952395A2] An incinerator that is high in combustion efficiency, produces less noxious emissions and consumes less auxiliary fuel. The incinerator includes two beds (2,3) each having an upper (11,12) and a lower (13,14) crossbar and arranged one over the other in the incinerator body (1). The space between the crossbars of each bed is stuffed with tangled stainless steel whiskers (15,16). Such whiskers are also laid on a crossbar (8) provided near the top of the incinerator body. When wastes are burned in the incinerator, the whiskers are heated and turned red. The thus red-heated whiskers are brought into contact with unburned gas over a wide surface area, increasing the combustion efficiency. The whiskers of the upper bed has larger gaps therebetween than those of the lower bed so that wastes on the upper bed drop through the whiskers onto the lower bed when they burn and shrink in size. Gas permeability of each bed is thus maintained high, so that wastes can be burned completely and ashes remain little on the beds. <IMAGE>

IPC 1-7
F23G 5/14; **F23G 5/38**

IPC 8 full level
F23G 5/00 (2006.01); **F23G 5/14** (2006.01); **F23G 5/38** (2006.01)

CPC (source: EP)
F23G 5/14 (2013.01); **F23G 5/38** (2013.01)

Citation (search report)
• [XY] US 4366759 A 19830104 - FORESTO SAMUEL [US]
• [Y] US 4550669 A 19851105 - FORESTO SAM [US]
• [X] US 3780674 A 19731225 - HAN LIU

Cited by
CN106152147A

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
EP 0952395 A2 19991027; **EP 0952395 A3 20000223**; JP 2980881 B2 19991122; JP H11294735 A 19991029

DOCDB simple family (application)
EP 99107185 A 19990413; JP 10643398 A 19980416