

Title (en)
COMBUSTION INSTALLATION FOR BURNING FUEL, IN PARTICULAR WASTE

Publication
EP 0391146 B1 19931013 (DE)

Application
EP 90105393 A 19900322

Priority
CH 120189 A 19890403

Abstract (en)
[origin: EP0391146A1] In the firing chamber (1) of the combustion installation, there is arranged a firing grate (2) divided into grate zones (I, II, III) formed with rows of grate bars (10). The rows of grate bars (10) of the first grate zone (I) have no air outlet into the firing chamber (1). The primary air (15) brought in under these rows of grate bars (10) by guide plates (17) serves to cool the rows of grate bars (10) and is then guided by guide plates (18) into a connecting duct (19), by means of which the heated primary air (15) can be supplied to the following grate zones (II, III etc.). It is thus made possible to avoid a concentration of the burning off of unit waste with above- average calorific value in the region of the first grate zone (I). At the same time, uniform burning off is thus achieved over the entire grate surface. <IMAGE>

IPC 1-7
F23G 5/00; **F23L 1/02**

IPC 8 full level
F23H 7/08 (2006.01); **F23G 5/00** (2006.01); **F23L 1/02** (2006.01)

CPC (source: EP)
F23G 5/002 (2013.01); **F23L 1/02** (2013.01)

Cited by
EP1635114A3; DE102004034322A1; DE102004034322B4; DE102004032291A1; DE102004032291B4; EP0972989A1; EP0485777A3; EP2487414A1; EP1617143A2; WO2012104111A1

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

DOCDB simple family (publication)
EP 0391146 A1 19901010; **EP 0391146 B1 19931013**; AT E95907 T1 19931015; DE 59003045 D1 19931118; DK 0391146 T3 19931115; ES 2044286 T3 19940101; JP H02287008 A 19901127; NO 174438 B 19940124; NO 174438 C 19940504; NO 901484 D0 19900402; NO 901484 L 19901004; PT 93649 A 19911129; PT 93649 B 19980529

DOCDB simple family (application)
EP 90105393 A 19900322; AT 90105393 T 19900322; DE 59003045 T 19900322; DK 90105393 T 19900322; ES 90105393 T 19900322; JP 9006590 A 19900403; NO 901484 A 19900402; PT 9364990 A 19900403