

Title (en)
Axial cyclone combustion chamber

Title (de)
Axialzyklon-Verbrennungsreaktor

Title (fr)
Chambre de combustion à cyclone axial

Publication
EP 0551643 B1 19970521 (DE)

Application
EP 92121807 A 19921222

Priority
DE 4200575 A 19920111

Abstract (en)
[origin: EP0551643A2] In an axial cyclone combustion chamber (1) for burning solid fuels in a rotary flow field with an essentially conical lower part (15) and a cylindrical upper part (13), an ash-removal opening (23) at the lower end of the lower part and a central waste-gas off-take opening in the top of the upper part, as well as at least one fuel supply and at least one air supply, it is envisaged, to simplify its construction, that at least one tangential air supply (8; 20a-20d; 36a-36b) is provided. <IMAGE>

IPC 1-7
F23C 3/00; **F23C 6/04**; **F23C 11/02**; **F23M 5/00**

IPC 8 full level
F23C 3/00 (2006.01); **F23C 6/04** (2006.01); **F23M 5/00** (2006.01)

CPC (source: EP)
F23C 3/008 (2013.01); **F23C 6/045** (2013.01); **F23M 5/00** (2013.01)

Cited by
EP2375152A3; US12145144B2

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

DOCDB simple family (publication)
EP 0551643 A2 19930721; **EP 0551643 A3 19931208**; **EP 0551643 B1 19970521**; AT E153432 T1 19970615; DE 4200575 A1 19930715; DE 4200575 C2 19970918; DE 59208519 D1 19970626; ES 2104807 T3 19971016

DOCDB simple family (application)
EP 92121807 A 19921222; AT 92121807 T 19921222; DE 4200575 A 19920111; DE 59208519 T 19921222; ES 92121807 T 19921222