

Title (en)
REDUCING PROCEEDING AND/OR A SYSTEM TO INTERMIX AND MEANS FOR THE SAME.

Title (de)
REDUKTIONSVERFAHREN UND/ODER MISCHSYSTEM UND MITTEL DAZU.

Title (fr)
PROCEDE REDUCTEUR ET/OU SYSTEME DE MELANGE AINSI QUE LEURS MOYENS.

Publication
EP 0642380 A1 19950315 (EN)

Application
EP 93910538 A 19930518

Priority
• SE 9300436 W 19930518
• SE 9201554 A 19920518

Abstract (en)
[origin: WO9323147A1] The present invention relates to a process for the admixture of and/or for the achievement of and/or the facilitation of the reduction of undesired compounds, such as soot, hydrocarbons and the oxides of nitrogen and, if the fuel contains other substances, such as sulphur and chlorine, and metal compounds such as mercury and arsenic, for bringing about a reduction in emissions of acidifying oxides of sulphur and hydrogen chloride, as well as mercury and arsenic compounds, etc., for example in an incineration unit (1<n>). In accordance with the invention, this is achieved by a special admixture and mixing process, in which suitable reducing agents for nitrogen compounds and/or for other undesired substances, for example oxides of sulphur, are introduced into the incineration unit in direct association with the combustion zone (4<n>) in conjunction with the supply of gas. This can take place in conjunction with the actual incineration process, or separately from it. The invention also proposes that the utilization of the admixture and mixing process in conjunction with the supply of air (2) or some other suitable gas and/or gas-borne powder or aerosol compound (5) in itself should lead to the formation of low levels of the oxides of nitrogen, but that it does permit the utilization of other processes, either alone or in combination with this process. The invention also relates to an arrangement for the execution of the process.

IPC 1-7
B01D 53/34

IPC 8 full level
B01D 53/74 (2006.01); **C10L 10/00** (2006.01); **C10L 10/02** (2006.01); **F23G 5/32** (2006.01); **F23J 7/00** (2006.01)

CPC (source: EP)
B01D 53/74 (2013.01); **C10L 10/02** (2013.01); **C10L 10/04** (2013.01); **F23G 5/32** (2013.01); **F23J 7/00** (2013.01)

Citation (search report)
See references of WO 9323147A1

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

DOCDB simple family (publication)
WO 9323147 A1 19931125; AU 4099493 A 19931213; EP 0642380 A1 19950315; SE 501418 C2 19950213; SE 9201554 D0 19920518; SE 9201554 L 19931119

DOCDB simple family (application)
SE 9300436 W 19930518; AU 4099493 A 19930518; EP 93910538 A 19930518; SE 9201554 A 19920518