

Title (en)  
PROCESS GAS ABATEMENT

Title (de)  
PROZESSGASREDUZIERUNG

Title (fr)  
ÉPURATION DE GAZ DE PROCÉDÉ

Publication  
**EP 3008385 B1 20180314 (EN)**

Application  
**EP 14728250 A 20140529**

Priority  
• GB 201310252 A 20130610  
• GB 2014051631 W 20140529

Abstract (en)  
[origin: GB2515017A] A process gas abatement apparatus and method are disclosed. The process gas abatement apparatus comprises a burner having a combustion chamber operable to receive an effluent gas stream from a manufacturing process tool to be treated within the combustion chamber at a sub-atmospheric pressure. The combustion chamber is operable to receive a fuel, oxidant and diluents. The fuel, oxidant and diluent are used to control combustion within the combustion chamber to treat the effluent gas stream to produce a treated exhaust stream. The diluent is condensable in the treated exhaust stream so that it changes state. By providing a diluent in the form of an inert condensable the volume gain within the combustion chamber is reduced and a lower volume of gas need be brought up to atmospheric pressure by a discharge pump.

IPC 8 full level  
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CPC (source: EP GB US)  
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US 4886444 A 19891212 - HIRASE IKUO [JP], et al

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