

Title (en)  
METHOD AND REGENERATOR FOR REHEATING GASES

Title (de)  
VERFAHREN UND REGENERATOR FÜR DIE WIEDERAUFHEIZUNG VON GASEN

Title (fr)  
PROCEDE ET REGENERATEUR POUR LE RECHAUFFAGE DE GAZ

Publication  
**EP 0617785 B1 20030813 (FR)**

Application  
**EP 93923585 A 19931019**

Priority  
• DE 4236619 A 19921029  
• FR 9301025 W 19931019

Abstract (en)  
[origin: DE4236619A1] A method for reheating gases in a regenerator (1) with a storage medium consisting of a loose material located in a ring-shaped spaced between two coaxial cylindrical screens (4, 5), a hot collection chamber (6), surrounded by an inner hot screen (4), for hot gases, and a cold collection chamber (8), enclosed between an outer cold screen (5) and the wall of the regenerator (1), for cold gases. The increase in head loss during the heating phase is at least 5 times greater than product  $p \cdot g \cdot H$ , where H is the height of the regenerator (1), p is the gas density at 20 DEG C, and g is the acceleration due to gravity, and the gas flow rate corresponds to 300  $m^3$  per  $h \cdot m^2$  of the surface area of the hot screen (4) at normal pressure.

IPC 1-7  
**F28D 17/02**

IPC 8 full level  
**F28D 17/00** (2006.01); **F28D 17/02** (2006.01)

CPC (source: EP KR US)  
**F28D 17/005** (2013.01 - EP US); **F28D 17/02** (2013.01 - EP KR US)

Designated contracting state (EPC)  
AT BE ES FR GB IT LU SE

DOCDB simple family (publication)  
**DE 4236619 A1 19940505; DE 4236619 C2 19961128**; AT E247271 T1 20030815; CA 2126993 A1 19940511; CA 2126993 C 20041221; CN 1072793 C 20011010; CN 1086895 A 19940518; EP 0617785 A1 19941005; EP 0617785 B1 20030813; ES 2202314 T3 20040401; JP H07502804 A 19950323; KR 100317968 B1 20020422; KR 940703990 A 19941212; US 5547016 A 19960820; US 5690164 A 19971125; WO 9410519 A1 19940511

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**DE 4236619 A 19921029**; AT 93923585 T 19931019; CA 2126993 A 19931019; CN 93119561 A 19931029; EP 93923585 A 19931019; ES 93923585 T 19931019; FR 9301025 W 19931019; JP 51075794 A 19931019; KR 19940702048 A 19940615; US 23206494 A 19940428; US 63900596 A 19960416