

Title (en)  
MODULAR REGENERATIVE HEAT EXCHANGER SYSTEM

Title (de)  
MODULARES REGENERATIV-WÄRMETAUSCHERSYSTEM

Title (fr)  
SYSTEME ECHANGEUR THERMIQUE REGENERATIF MODULAIRE

Publication  
**EP 1483542 A1 20041208 (EN)**

Application  
**EP 03705751 A 20030110**

Priority  
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• US 35209702 P 20020123

Abstract (en)  
[origin: WO03062729A1] A plurality of independently operable regenerative heat exchanger modules (1-5) are provided to regeneratively transfer heat from a hot gas to a cold gas. The regenerative heat exchanger modules are connected to a regenerative heat exchanger system controller (1p-5p) which staggers the operation of each regenerative heat exchanger module to simulate the operation of a rotary regenerative heat exchanger. The regenerative heat exchanger system controller can manually or automatically take selected ones of the regenerative heat exchanger modules off-line while the remaining regenerative heat exchanger modules continue to simulate the operation of the rotary regenerative heat exchanger. Also disclosed are a control system and a method for operating a number of independently operable regenerative heat exchanger modules to simulate the operation of a rotary regenerative heat exchanger.

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See references of WO 03062729A1

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**US 0300998 W 20030110**; EP 03705751 A 20030110; JP 2003562554 A 20030110; KR 20047011383 A 20030110; TW 92101167 A 20030120; US 50161004 A 20040714