

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<sup>3</sup>/N per h.m<sup>2</sup> of the surface area of the hot screen (4) at normal pressure.

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