

Title (en)
HEAT RECOVERY SYSTEM

Title (de)
WÄRMERÜCKGEWINNUNGSSYSTEM

Title (fr)
SYSTÈME DE RÉCUPÉRATION DE CHALEUR

Publication
EP 3312543 A1 20180425 (EN)

Application
EP 16195019 A 20161021

Priority
EP 16195019 A 20161021

Abstract (en)

The invention relates to a heat recovery system (1) for installation in a conduit for hot fluid flowing from a heat generating process to the exterior environment. A housing (2) of the system encapsulates an interior space with a first and a second section (5,6), the first section extending between an inlet (3) and an outlet (4) of the housing. A heat exchanger (7) is arranged in the second section. The system comprises at least two dampers (8) movable between a first position (9) in which they are arranged to guide the hot fluid from the inlet to the outlet via the heat exchanger, and a second position (10) in which the first and second sections are separated by the dampers so that the hot fluid is guided from the inlet to the outlet without passing the heat exchanger (7). The dampers (8) have a thermally insulating construction so that when they are in the second position, the first and second sections of the interior space are thermally insulated from each other.

IPC 8 full level
F28F 27/02 (2006.01); **F28D 21/00** (2006.01)

CPC (source: EP)
F28D 21/0003 (2013.01); **F28F 27/02** (2013.01); **F28F 2250/06** (2013.01); **F28F 2270/00** (2013.01)

Citation (search report)

- [X] US 2498637 A 19500228 - BAY THOMAS J
- [Y] US 5950715 A 19990914 - JOENSSON NILS-AAKE [SE], et al
- [Y] EP 1672209 A2 20060621 - HONEYWELL INT INC [US]

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3312543 A1 20180425

DOCDB simple family (application)
EP 16195019 A 20161021