

Title (en)
Coiled heat exchanger

Title (de)
Gewickelter Wärmetauscher

Title (fr)
Serpentin d'échangeur de chaleur

Publication
EP 1790932 A1 20070530 (DE)

Application
EP 05025682 A 20051124

Priority
EP 05025682 A 20051124

Abstract (en)
The exchanger has pipes that are helically wound in multiple concentric pipe bearings (4, 7) around a core barrel. A casing limits an outer area around the pipes and is designed in such a manner that heat is transferred between two fluids in operation, where the fluid flows through interior of one of the pipes and through the outer area. Non-heat transferring flexible units (1a, 1b) are arranged in the interior of the exchanger and connected with the pipes, where the units are designed as spiral springs.

IPC 8 full level
F28D 7/04 (2006.01); **F28F 9/013** (2006.01)

CPC (source: EP US)
F25J 5/002 (2013.01 - EP US); **F28D 7/04** (2013.01 - EP US); **F28F 9/005** (2013.01 - EP US); **F28F 9/013** (2013.01 - EP US);
F25J 2290/44 (2013.01 - EP US)

Citation (applicant)
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Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1790932 A1 20070530; AU 2006317168 A1 20070531; AU 2006317168 B2 20110818; BR PI0618970 A2 20110920;
CN 101313191 A 20081126; CN 101313191 B 20101020; NO 20082829 L 20080822; RU 2008125200 A 20091227; RU 2402732 C2 20101027;
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EP 05025682 A 20051124; AU 2006317168 A 20061107; BR PI0618970 A 20061107; CN 200680043943 A 20061107;
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