

Title (en)  
Heat exchanger, more particularly for swimming pools

Title (de)  
Wärmetauscher, insbesondere für Schwimmbäder

Title (fr)  
Echangeur de chaleur, en particulier pour piscines

Publication  
**EP 1340953 A3 20070124 (DE)**

Application  
**EP 03004138 A 20030226**

Priority  
DE 10208658 A 20020228

Abstract (en)  
[origin: EP1340953A2] The heat exchanger consists of a cylindrical housing (2) with a first medium flowing through it axially, while a second medial passes round it through a spiral corrugated hose (3) with separate connections (6, 7) for the second medium. The hose has its end sectors (12, 13) serving as separate insertion connections for the second medium extending from outside and passing through the housing to the inside.

IPC 8 full level  
**F28D 7/02** (2006.01); **F28F 1/08** (2006.01); **F28F 9/04** (2006.01); **F28F 9/26** (2006.01)

CPC (source: EP US)  
**F28D 7/024** (2013.01 - EP US); **F28F 1/08** (2013.01 - EP US); **F28F 9/0246** (2013.01 - EP US); **F28F 9/0248** (2013.01 - EP US)

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

Designated extension state (EPC)  
AL LT LV MK RO

DOCDB simple family (publication)  
**EP 1340953 A2 20030903; EP 1340953 A3 20070124; EP 1340953 B1 20090826**; AT E441077 T1 20090915; DE 10208658 A1 20030918; DE 10208658 B4 20051110; DE 50311837 D1 20091008; ES 2332306 T3 20100202; US 2004035565 A1 20040226; US 6789615 B2 20040914

DOCDB simple family (application)  
**EP 03004138 A 20030226**; AT 03004138 T 20030226; DE 10208658 A 20020228; DE 50311837 T 20030226; ES 03004138 T 20030226; US 37676203 A 20030228