

Title (en)
HEAT EXCHANGER

Title (de)
WÄRMETAUSCHER

Title (fr)
ÉCHANGEUR DE CHALEUR

Publication
EP 2954275 B1 20181010 (DE)

Application
EP 14702634 A 20140205

Priority
• DE 102013201925 A 20130206
• EP 2014052251 W 20140205

Abstract (en)
[origin: WO2014122174A1] The invention relates to a heat exchanger for the exchange of heat between a fluid and sea water for a submarine comprising a housing (2), in which a plurality of pipes (24) is arranged. The pipes (24) are intended for sea water to flow through the pipes and are connected in a fluid-conducting manner to a sea water inlet (16) at one end and to a sea water outlet (18) at the other end. Furthermore, the pipes (24) are arranged next to each other in such a way that adjacent pipes (24) form closed flow-through channels (34) for the fluid to be cooled. The flow-through channels are connected in a fluid-conducting manner to a fluid inlet (20) at one end and to a fluid outlet (22) at the other end.

IPC 8 full level
B63G 8/36 (2006.01); **F28D 1/02** (2006.01); **F28D 1/04** (2006.01); **F28D 7/00** (2006.01); **F28D 7/16** (2006.01); **F28F 1/04** (2006.01); **F28F 9/02** (2006.01)

CPC (source: EP)
B63G 8/36 (2013.01); **F28D 1/022** (2013.01); **F28D 7/0041** (2013.01); **F28D 7/1653** (2013.01); **F28F 1/045** (2013.01); **F28F 9/0229** (2013.01); **F28F 2275/14** (2013.01)

Cited by
CN111256494A

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

DOCDB simple family (publication)
WO 2014122174 A1 20140814; DE 102013201925 A1 20140821; EP 2954275 A1 20151216; EP 2954275 B1 20181010; ES 2702324 T3 20190228

DOCDB simple family (application)
EP 2014052251 W 20140205; DE 102013201925 A 20130206; EP 14702634 A 20140205; ES 14702634 T 20140205