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(71) Applicant (for all designated States except US):  
**DANAMICS APS** [DK/DK]; Bouet Møllevej 4,  
DK-9400 Nørresundby (DK).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **KLOSTER, Martin**  
[DK/DK]; c/o Danamics ApS, Bouet Møllevej 4, DK-  
9400 Nørresundby (DK). **ESPERSEN, Morten**  
[DK/DK]; c/o Danamics ApS, Bouet Møllevej 4,  
DK-9400 Nørresundby (DK).

(74) Agent: **LARSEN & BIRKEHOLM A/S Skandinavisk  
Patentbureau**; Banegårdspladsen 1, P.O. Box 362,  
DK-1570 Copenhagen V (DK).

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(54) Title: A PUMP HOUSING FOR AN ELECTROMAGNETIC PUMP

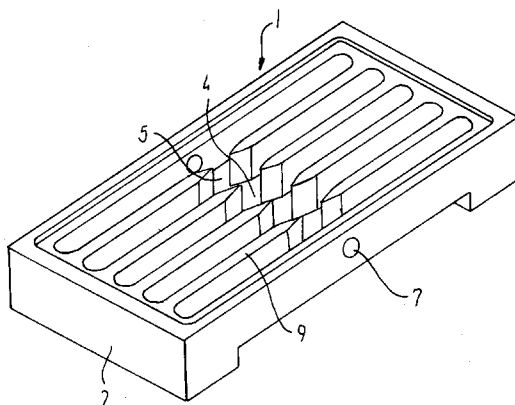


FIG. 1

(57) Abstract: When a pump housing for an electromagnetic pump for the propulsion of a conductive liquid in a cooling circuit, in particular for the cooling of electrical components, said pump housing comprising an upper part and a lower part which assembled constitute a pump chamber having an internal surface, said lower part being provided with openings for pipes for the cooling circuit, said openings pointing inwards to the pump chamber, said pump housing being additionally provided with two openings for electrodes, said electrodes pointing inwards to the pump chamber and being arranged on opposed sides of the pump housing and being equipped with electrodes (8), is improved to the extent that the internal surface (5) of the pump chamber (4) is provided with a coating (10) having electrically insulating properties, it is ensured that the electrical scattering losses are reduced significantly. When, additionally, electrodes having a low transition resistance and being capable of ensuring a good contact face to the conductive cooling liquid are provided, electrical losses in electrodes and in the body of the pump housing may advantageously be reduced.



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## A. CLASSIFICATION OF SUBJECT MATTER

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ADD.

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 2008/128539 A2 (DANAMICS APS [DK]) 30 October 2008 (2008-10-30) figure 2 page 4, line 4 - page 5, line 19 -----	1,3-6
Y	US 2003/085024 A1 (SANTIAGO, J.G.; ZENG, S. [US]) 8 May 2003 (2003-05-08) figures 2,17 paragraph [0090] -----	1,4-6
Y	GB 2 135 335 A (BRITISH NUCLEAR FUELS PLC [GB]) 30 August 1984 (1984-08-30) the whole document -----	3
A	JP 1 047265 A (TOSHIBA CORPORATION [JP]) 21 February 1989 (1989-02-21) abstract figures 1,2 ----- -/-	1-6

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European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040,  
Fax: (+31-70) 340-3016

Authorized officer

Grüchtel, Frank

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
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Information on patent family members

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