

Title (en)

Protection device for hot water storage

Title (de)

Schutzvorrichtung für Warmwasserspeicher

Title (fr)

Dispositif de protection pour accumulateur d'eau chaude

Publication

EP 1077352 A3 20021218 (DE)

Application

EP 00116822 A 20000804

Priority

DE 19939134 A 19990818

Abstract (en)

[origin: EP1077352A2] The device has a measurement anode (40) protruding into the storage vol. that is supplied with external current and connected to evaluation electronics (44). The evaluation electronics are connected to a controller (32) for the tank heater and if the anode current is not present a blocking signal is transmitted to the controller to positively prevent operation of the tank heater (16).

IPC 1-7

F24H 9/20; **C23F 13/04**

IPC 8 full level

F24H 9/20 (2006.01); **F24H 1/18** (2006.01); **F24H 9/00** (2006.01)

CPC (source: EP US)

F24H 9/2007 (2013.01 - EP US); **F24H 9/45** (2022.01 - EP); **F24H 9/455** (2022.01 - EP US); **F24H 1/18** (2013.01 - EP)

Citation (search report)

- [X] EP 0933602 A1 19990804 - ATLANTIC INDUSTRIE SAS [FR]
- [X] DE 3525323 A1 19861113 - ACCUM AG [CH]
- [PX] WO 0020659 A1 20000413 - MTS TECHNICAL S A [BE], et al
- [A] DE 3916847 A1 19901129 - NORSK HYDRO MAGNESIUM [DE]
- [A] US 4975560 A 19901204 - WARDY DAHER T [US], et al
- [A] US 4306189 A 19811215 - NOZAKI MICHIO B
- [A] DE 3105922 A1 19820909 - BUDERUS AG [DE]

Cited by

EP1666809A1; DE102004055261B3

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 1077352 A2 20010221; **EP 1077352 A3 20021218**; DE 19939134 C1 20010315

DOCDB simple family (application)

EP 00116822 A 20000804; DE 19939134 A 19990818