

Title (en)
WATER-COOLED PUMP ASSEMBLY FOR BATHING UNIT SYSTEM AND PUMP ASSEMBLY FOR BATHING UNIT SYSTEM WITH MOUNTING BRACKETS

Title (de)
WASSERGEKÜHLTE PUMPENANORDNUNG FÜR BADEEINHEITSSYSTEM UND PUMPENANORDNUNG FÜR BADEEINHEITSSYSTEM MIT MONTAGEKLAMMERN

Title (fr)
ENSEMBLE POMPE REFROIDI PAR EAU POUR SYSTÈME D'UNITÉ DE BAIN ET ENSEMBLE POMPE POUR SYSTÈME D'UNITÉ DE BAIN DOTÉ DE SUPPORTS DE MONTAGE

Publication
EP 4240977 A1 20230913 (EN)

Application
EP 20960197 A 20201218

Priority

- CA 3098056 A 20201104
- US 202017089219 A 20201104
- CA 2020051757 W 20201218

Abstract (en)
[origin: WO2022094688A1] A pump assembly is presented including a motor housing holding an electric motor and a wet-end housing. The pump assembly also includes a heat transfer interface positioned between a front end of the motor housing and the wet-end housing. The heat transfer interface establishes a thermal conduction path between the motor housing and the wet-end housing so that, in use, a portion of heat generated by the motor is absorbed by the heat transfer interface and is dissipated in water circulating through the wet-end housing. In addition, or alternatively, another thermal conduction path may be established between the heat transfer interface and an electronic controller of the pump assembly so that heat generated by the controller is absorbed by the heat transfer interface and dissipated in water circulating through the wet-end housing. Mounting brackets may be provided at different radial locations about an outside casing of the pump assembly to allow mounting the assembly to a supporting structure in different orientations.

IPC 8 full level
F04D 29/58 (2006.01); **A61H 33/00** (2006.01); **F04D 13/06** (2006.01); **F04D 29/40** (2006.01)

CPC (source: EP)
A61H 33/0095 (2013.01); **A61H 33/60** (2013.01); **A61H 33/6068** (2013.01); **F04D 13/06** (2013.01); **F04D 29/426** (2013.01); **F04D 29/5806** (2013.01); **F04D 29/5813** (2013.01); **F04D 29/605** (2013.01); **A61H 2201/5012** (2013.01); **F05D 2260/20** (2013.01); **F05D 2260/221** (2013.01)

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

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
WO 2022094688 A1 20220512; EP 4240977 A1 20230913

DOCDB simple family (application)
CA 2020051757 W 20201218; EP 20960197 A 20201218