

Title (en)
DEVICE FOR HEATING THE WATER OF AN ABOVE-GROUND POOL, SUCH AS AN ABOVE-GROUND SPA POOL OR A SWIMMING POOL

Title (de)
VORRICHTUNG ZUM ERWÄRMEN DES WASSERS EINES OBERIRDISCHEN BECKENS WIE EINES OBERIRDISCHEN THERMALBECKENS ODER SCHWIMMBECKENS

Title (fr)
DISPOSITIF DE CHAUFFAGE DE L'EAU D'UN BASSIN DE BAINADE HORS-SOL, TEL QU'UN SPA OU UNE PISCINE HORS-SOL

Publication
EP 3924574 B1 20230802 (FR)

Application
EP 20702475 A 20200131

Priority
• FR 1901562 A 20190215
• EP 2020052489 W 20200131

Abstract (en)
[origin: WO2020164931A1] Said heating device (2) is well-functioning, easy to install, aesthetically pleasing and convenient to use at the same time. According to the invention, it comprises a frame (10) having an upper face (14), which connects the rear and front faces (13) and which generally has a step-shaped shape having at least two levels, which, in use, are at different respective heights and the highest level (N3) of which opens onto the rear face while the other level(s) (N1, N2) are distributed substantially uniformly between a base of the frame and the highest level, such that, in use, a user may access the pool (1) by successively walking on the levels of the step-shaped shape by climbing said levels from the ground to enter the pool and by descending said levels to the ground to leave the pool. The device also comprises an air-water heat pump, arranged in an internal volume of the frame, which is defined between the base and the rear, front and upper faces, and through which air from the outside of the frame flows. The device also comprises means to be connected to the pool, adapted both to bring water from the pool from the outside of the frame to the heat pump and to return the water heated by the heat pump to the outside of the frame to supply the pool.

IPC 8 full level
E04H 4/12 (2006.01); **A61H 33/00** (2006.01); **E04H 4/14** (2006.01)

CPC (source: EP US)
A61H 33/00 (2013.01 - EP); **A61H 33/0087** (2013.01 - EP); **A61H 33/0095** (2013.01 - US); **E04H 4/129** (2013.01 - EP US); **E04H 4/144** (2013.01 - EP US); **A61H 2201/0103** (2013.01 - EP); **A61H 2201/0107** (2013.01 - EP)

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 2020164931 A1 20200820; AU 2020220610 A1 20210826; CA 3129686 A1 20200820; CA 3129686 C 20231017; CN 113423902 A 20210921; EP 3924574 A1 20211222; EP 3924574 B1 20230802; EP 3924574 C0 20230802; EP 4234847 A2 20230830; EP 4234847 A3 20231108; ES 2959992 T3 20240229; FR 3092854 A1 20200821; FR 3092854 B1 20220121; HU E062705 T2 20231128; PL 3924574 T3 20231218; US 11639608 B2 20230502; US 2022195744 A1 20220623

DOCDB simple family (application)
EP 2020052489 W 20200131; AU 2020220610 A 20200131; CA 3129686 A 20200131; CN 202080013859 A 20200131; EP 20702475 A 20200131; EP 23181610 A 20200131; ES 20702475 T 20200131; FR 1901562 A 20190215; HU E20702475 A 20200131; PL 20702475 T 20200131; US 202017430303 A 20200131