

Title (en)

HEAT TRANSFER TUBE, AIR-HEATED EVAPORATOR AND METHOD FOR PRODUCING A HEAT TRANSFER PIPE

Title (de)

WÄRMEÜBERTRAGUNGSROHR, LUFTBEHEIZTER VERDAMPFER UND VERFAHREN ZUM HERSTELLEN EINES WÄRMEÜBERTRAGUNGSROHRS

Title (fr)

TUYAU DE TRANSFERT DE CHALEUR, EVAPORATEUR CHAUFFE PAR AIR ET PROCEDE DE FABRICATION D'UN TUYAU DE TRANSFERT DE CHALEUR

Publication

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Application

EP 16766226 A 20160906

Priority

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Abstract (en)

[origin: WO2017050418A1] A heat transfer tube (2), in particular a finned tube, for an air-heated evaporator (1) for heating and/or evaporating cryogenic fluids, having a tube section (8) and a coating (15) which is provided on the outer side of the tube section (8) and has a hydrophilic portion (16) and a hydrophobic portion (17), wherein the hydrophilic portion (16) forms, in the coating (15), seed points (18), which are peripherally enclosed by the hydrophobic portion (16), for condensing air moisture thereon and wherein the seed points (18) have a size of less than 100 nm.

IPC 8 full level

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CPC (source: EP US)

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