

Title (en)
NON-METALLIC BAFFLE FOR HEAT EXCHANGER

Title (de)
NICHTMETALLISCHE ABLENKPLATTE FÜR WÄRMETAUSCHER

Title (fr)
CHICANE NON METALLIQUE POUR ECHANGEUR DE CHALEUR

Publication
EP 4242571 A1 20230913 (EN)

Application
EP 23160579 A 20230307

Priority
US 202263318198 P 20220309

Abstract (en)
NON-METALLIC BAFFLE FOR HEAT EXCHANGERA tube bundle assembly (64) includes at least one tube (66) and a baffle (72). The baffle (72) includes at least one hole (74) for receiving the at least one tube (66). The at least one hole (74) has a non-uniform diameter such that only a portion of a periphery of the at least one hole (74) is positionable in contact with the at least one tube (66).

IPC 8 full level
F28F 9/22 (2006.01); **F25B 39/00** (2006.01); **F28D 7/16** (2006.01); **F28F 9/013** (2006.01)

CPC (source: CN EP US)
F25B 39/00 (2013.01 - US); **F25B 39/04** (2013.01 - CN EP); **F28D 7/16** (2013.01 - CN EP); **F28F 9/0131** (2013.01 - CN EP US); **F28F 9/22** (2013.01 - CN EP); **F28F 21/06** (2013.01 - CN); **F28F 21/063** (2013.01 - US); **F25B 39/02** (2013.01 - US); **F25B 2339/046** (2013.01 - EP); **F25B 2339/047** (2013.01 - EP); **F28D 2021/0068** (2013.01 - EP); **F28F 2009/224** (2013.01 - CN); **F28F 2009/226** (2013.01 - EP); **F28F 2265/26** (2013.01 - EP); **F28F 2275/10** (2013.01 - EP); **F28F 2275/12** (2013.01 - EP)

Citation (search report)

- [X] EP 0568713 A1 19931110 - DEGGENDORFER WERFT EISENBAU [DE]
- [X] FR 3002316 A1 20140822 - DCNS [FR]
- [X] EP 0184344 A1 19860611 - WESTINGHOUSE ELECTRIC CORP [US]
- [X] DE 112016006146 T5 20180920 - MITSUBISHI HITACHI POWER SYS [JP]
- [X] DE 3136865 A1 19830331 - MUELLER & CO SCHWELMER EISEN [DE]
- [X] US 4204305 A 19800527 - NORTON FRANK E [US]
- [X] US 5893410 A 19990413 - HALBROOK NICHOLAS DINKEL [US]
- [X] US 6498827 B1 20021224 - KLARNER RICHARD G [CA]

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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4242571 A1 20230913; CN 116734652 A 20230912; US 2023288152 A1 20230914

DOCDB simple family (application)
EP 23160579 A 20230307; CN 202310208988 A 20230307; US 202318179520 A 20230307