

Title (en)
THERMOELECTRIC MODULES FOR EXHAUST SYSTEM

Title (de)
THERMOELEKTRISCHE MODULE FÜR EIN ABGASSYSTEM

Title (fr)
MODULES THERMOÉLECTRIQUES DESTINÉS À UN SYSTÈME D'ÉCHAPPEMENT

Publication
EP 2625727 A4 20140611 (EN)

Application
EP 11830269 A 20110929

Priority
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• EP 10186366 A 20101004
• IB 2011054295 W 20110929
• EP 11830269 A 20110929

Abstract (en)
[origin: WO2012046170A1] In an integrated thermoelectric module consisting of p- and n-conducting thermoelectric material pieces which are alternately connected to one another via electrically conductive contacts, a thermoelectric module(19) is thermally conductively connected to a micro heat exchanger(13) which comprises a plurality of continuous channels having a diameter of at most 1mm, through which a fluid heat exchanger medium can flow.

IPC 8 full level
H01L 35/00 (2006.01); **H01L 35/30** (2006.01); **H01L 35/32** (2006.01)

CPC (source: EP KR)
F01N 5/025 (2013.01 - EP); **H10N 10/00** (2023.02 - KR); **H10N 10/13** (2023.02 - EP KR); **H10N 10/17** (2023.02 - KR); **F28D 20/02** (2013.01 - EP); **F28F 2260/02** (2013.01 - EP); **Y02T 10/12** (2013.01 - EP)

Citation (search report)
• [Y] US 2005217714 A1 20051006 - NISHIJIMA YOSHIAKI [JP], et al
• [Y] US 2005111188 A1 20050526 - BHATTACHARYA ANANDAROOP [US], et al
• See references of WO 2012046170A1

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 2012046170 A1 20120412; BR 112013007718 A2 20171010; CN 103238227 A 20130807; CN 103238227 B 20160504; EP 2625727 A1 20130814; EP 2625727 A4 20140611; JP 2013546167 A 20131226; JP 6117102 B2 20170419; KR 20130108381 A 20131002; TW 201230261 A 20120716

DOCDB simple family (application)
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