

Title (en)
Improvements in water heating

Title (de)
Verbesserungen bei der Wassererwärmung

Title (fr)
Améliorations du chauffage de l'eau

Publication
EP 2479509 A3 20140416 (EN)

Application
EP 12250011 A 20120123

Priority
GB 201101163 A 20110122

Abstract (en)
[origin: EP2479509A2] This invention provides an electric water heater (10) which comprises a linear array of heating modules (12, 14) each comprising an inlet, an outlet, and a heater element (34). The inlets and outlets of the modules are arranged such that, when they are placed adjacent one another in the array, the outlet of one module (12) is aligned with the inlet of the adjacent module (14). In use this enables water to flow through the modules (12, 14) in series. (Figure 1)

IPC 8 full level
F24H 1/14 (2006.01)

CPC (source: EP GB)
F24H 1/102 (2013.01 - GB); **F24H 1/103** (2013.01 - EP); **F24H 1/142** (2013.01 - EP); **F24H 9/1818** (2013.01 - EP)

Citation (search report)

- [X] WO 9319332 A1 19930930 - KULMBACHER KLIMAGERÄTE [DE]
- [XY] DE 1232720 B 19670119 - LICENTIA GMBH
- [X] DE 202009009340 U1 20101118 - REHAU AG & CO [DE]
- [XI] US 2009067824 A1 20090312 - TSAI HUA-HSIN [TW]
- [X] US 2010092163 A1 20100415 - YEUNG WING YIU [HK]
- [XP] WO 2011135441 A1 20111103 - N&W GLOBAL VENDING SPA [IT], et al
- [Y] EP 1614979 A1 20060111 - MATSUSHITA ELECTRIC IND CO LTD [JP]

Cited by
WO2020030506A1

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

DOCDB simple family (publication)
EP 2479509 A2 20120725; EP 2479509 A3 20140416; GB 201101163 D0 20110309; GB 2487431 A 20120725; GB 2487431 B 20160713

DOCDB simple family (application)
EP 12250011 A 20120123; GB 201101163 A 20110122