Title (en)
VEHICLE OVEN HAVING AN OPTIMIZED WATER VAPOR INJECTOR

Title (de)
FAHRZEUG MIT EINEM OPTIMIERTEN WASSERDAMPFINJEKTOR

Title (fr)
FOUR DE VÉHICULE AYANT UN INJECTEUR DE VAPEUR D'EAU OPTIMISÉ

Publication
EP 2830424 A4 20150805 (EN)

Application
EP 13770145 A 20130328

Priority
• US 201261616812 P 20120328
• US 2013034502 W 20130328

Abstract (en)
[origin: US2013259455A1] An oven heating element assembly includes a heating element operable to heat air that flows across the heating element, a fan operable to cause air to flow across the heating element, and a water vapor injector. The water vapor injector is operable to inject mist into the air heated by the heating element to facilitate the mist being converted to steam by the heated air.

IPC 8 full level
F22B 1/28 (2006.01); A21B 3/04 (2006.01); F24C 15/32 (2006.01)

CPC (source: CN EP US)
F22B 1/287 (2013.01 - CN EP US); F22B 3/00 (2013.01 - US); F24C 15/327 (2013.01 - EP US)

Citation (search report)
• [XYI] DE 202004000106 U1 20040617 - RATIONAL AG [DE]
• [XI] US 6410890 B1 20020625 - KOHLSTRUNG PETER [DE]
• [XI] DE 102007030573 A1 20090108 - RATIONAL AG [DE]
• [XI] US 6995341 B2 20060207 - RIEFENSTEIN LUTZ [DE], et al
• [X] CH 604530 A5 19780915 - VOEGTLIN RENE
• [YA] EP 1909039 A2 20080409 - GRANDI ANGELO CUCINE SPA [IT]
• [A] EP 0523489 A1 19930120 - ZANUSSI GRANDI IMPIANTI SPA [IT]
• See references of WO 2013149092A1

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)
US 2013259455 A1 20131003; CA 2867153 A1 20131003; CA 2867153 C 20170124; CN 104411174 A 20150311; EP 2830424 A1 20150204; EP 2830424 A4 20150805; JP 2015516561 A 20150611; WO 2013149092 A1 20131003

DOCDB simple family (application)
US 201313853019 A 20130328; CA 2867153 A 20130328; CN 201380022576 A 20130328; EP 13770145 A 20130328; JP 2015503622 A 20130328; US 2013034502 W 20130328