

Title (en)
CONVECTION OVEN

Title (de)
KONVEKTIONSOFEN

Title (fr)
FOUR À CONVECTION

Publication
EP 3772621 A1 20210210 (EN)

Application
EP 19191087 A 20190809

Priority
EP 19191087 A 20190809

Abstract (en)
A convection oven comprises a cavity (12) and a plurality of heating modules (14, 18, 20) mounted at the exterior side of the cavity (12), wherein each heating module (14, 18, 20) comprises: an inlet duct (50) mounted at the exterior side of the cavity (12) in flow communication with the cavity (12) via a first aperture; an outlet duct (28) mounted at the exterior side of the cavity in flow communication with a second aperture (30) in the cavity (12); a fan element (24) for feeding air from the cavity (12) via the inlet duct (50) back to the cavity (12) via the outlet duct (28); and at least one heating element (26) for heating the air that is fed to the cavity (12).

IPC 8 full level
F24C 15/32 (2006.01)

CPC (source: EP)
F24C 15/325 (2013.01)

Citation (applicant)
• DE 2657267 A1 19780622 - BRITISH GAS CORP
• EP 0000908 A1 19790307 - KUEPPERSBUSCH [DE]
• WO 2011009216 A1 20110127 - GULLIVERT TECHNOLOGIES [CA], et al

Citation (search report)
• [XYI] EP 2708128 A2 20140319 - EGO ELEKTRO GERAETEBAU GMBH [DE]
• [X] WO 2016200511 A1 20161215 - APPLIANCE INNOVATION INC [US]
• [X] JP 2001304557 A 20011031 - PALOMA KOGYO KK
• [Y] WO 2016013752 A1 20160128 - SAMSUNG ELECTRONICS CO LTD [KR]
• [Y] US 7087872 B1 20060808 - DOBIE MICHAEL J [US], et al
• [Y] EP 0611524 A1 19940824 - IRCA SPA [IT]
• [A] IT VI20090001 A1 20100716 - EUROPA S R L
• [A] US 2004089648 A1 20040513 - GRIFFEY DEAN J [US], et al

Cited by
US11480343B2

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 3772621 A1 20210210; WO 2021028191 A1 20210218

DOCDB simple family (application)
EP 19191087 A 20190809; EP 2020070921 W 20200724