

Title (en)  
DEVICE FOR COOLING THE HANDLE OF AN OVEN

Title (de)  
KÜHLVORRICHTUNG FÜR EINEN TÜRGRIF F EINES OFENS

Title (fr)  
DISPOSITIF DE REFROIDISSEMENT POUR POIGNÉE DE FOUR

Publication  
**EP 2980489 A1 20160203 (EN)**

Application  
**EP 15176568 A 20150714**

Priority  
IT MI20141378 A 20140730

Abstract (en)  
Cooling device (7) for cooling a handle of a door (5) of a cooking oven (1), comprises a fan with electric motor (10) and an axial flow impeller (11), a tubular flow guide (13) having an inlet opening (14) and an outlet opening (15) facing the door (5), wherein the impeller (11) is arranged inside the flow guide (13) in an inlet zone (16) in the proximity of the inlet opening (14), and a flow section of the flow guide (13) widens in a first direction (18) orthogonal to the rotational axis (17) of the impeller (11) and tapers in a second direction (19) orthogonal to both the rotational axis (17) and the first direction (18), going from the inlet zone (16) up to the outlet opening (15).

IPC 8 full level  
**F24C 15/00** (2006.01)

CPC (source: EP)  
**F04D 19/002** (2013.01); **F04D 29/547** (2013.01); **F24C 15/006** (2013.01); **F05D 2250/52** (2013.01)

Citation (search report)

- [X] EP 2687787 A2 20140122 - SAMSUNG ELECTRONICS CO LTD [KR]
- [A] US 3485229 A 19691223 - GILLIOM JOHN W
- [A] US 3889099 A 19750610 - NUSS JAMES J
- [A] DE 19757640 A1 19990624 - MOTOREN VENTILATOREN GMBH [DE]
- [A] FR 2876781 A1 20060421 - BRANDT IND SAS [FR]

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)  
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