

Title (en)
SHIELDING APPARATUS FOR SHIELDING AGAINST CONTAMINATED AIR, FUMES OR VAPOURS

Title (de)
ABSCHIRMUNGSVORRICHTUNG ZUR ABSCHIRMUNG GEGEN KONTAMINIERTE LUFT, RAUCH ODER DÄMPFE

Title (fr)
APPAREIL DE PROTECTION CONTRE L'AIR, LES FUMÉES OU LES VAPEURS CONTAMINÉS

Publication
EP 3159611 A1 20170426 (EN)

Application
EP 16194646 A 20161019

Priority
IT UB201586552 U 20151022

Abstract (en)
A shielding device (1) for shielding against contaminated air, fumes or vapours generated during the use of a workstation (2), in particular a workstation (2) comprising food cooking devices (4; 5; 6), the shielding device (1) comprises a containing body (8) arranged for housing airflow generating means (9) intended for forming an airflow, and channelling means (12) connected in the airflow generating means (9) and intended for conveying the airflow to airflow diffusing means (16) with which it is in flowing connection, the airflow diffusing means (16) being arranged for conveying the airflow to an area located above a cooking zone (22) of the workstation (2). The diffusing means (16) comprises at least one diffusing element (18, 18a) provided with a tubular body (27) in which there is obtained a plurality of openings (28) arranged aligned and shaped so as to create an air knife (L) during the transit through the openings (28) of the airflow generated by the airflow generating means (9), or of a portion of the airflow, the air knife (L) being intended for separating the cooking zone (22) from an operator working at the workstation (2).

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CPC (source: EP)
F24C 15/2028 (2013.01); **F24F 9/00** (2013.01)

Citation (search report)
• [XAI] US 6044838 A 20000404 - DENG DAVID [US]
• [X] FR 3012579 A1 20150501 - LE FAUCHEUR RICHARD [FR]
• [X] WO 2009018679 A1 20090212 - ACXING IND CO LTD [CN], et al
• [X] WO 2004104482 A1 20041202 - LEE IN SUA [KR]
• [X] JP H01114649 A 19890508 - MATSUSHITA ELECTRIC WORKS LTD
• [X] KR 20150094024 A 20150819 - LEE BYOUNG HEE [KR]
• [XA] US 5042456 A 19910827 - COTE CAMERON [CA]
• [AP] KR 101618705 B1 20160509

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