

Title (en)
Cooking plate

Title (de)
Kochmulde

Title (fr)
Plaque de cuisson

Publication
EP 0836056 A1 19980415 (DE)

Application
EP 97117218 A 19971004

Priority
DE 29617732 U 19961012

Abstract (en)
The cooking hob has a base pan (12) bridged by a cooking plate (14) and a resistive heating element (22) on the plate side (20) of the pan facing the plate at a distance from it and forming a radiation heating source. The cooking plate consists of sintered silicon carbide or silicon nitride. This can be liquid-phase sintered silicon carbide or silicon nitride. The liquid-phase sintered silicon carbide can have sinter additives, whereby the residual grain boundary phase is defined by the quantity of sinter additive, the sinter temp. and the sintering period.

Abstract (de)
Die Erfindung bezieht sich auf eine Kochmulde (10), bei welcher in üblicher Weise unter der Kochplatte (14) eine Wärmestrahlungsquelle in Form eines Widerstandsheizelementes (22) vorgesehen ist. Zur Verbesserung des Wärmeleitverhaltens gegenüber Glaskeramikkochplatten wird eine Kochplatte (14) aus gesintertem Siliziumkarbid oder Siliziumnitrid vorgeschlagen. <IMAGE>

IPC 1-7
F24C 15/10; H05B 3/74

IPC 8 full level
H05B 3/74 (2006.01)

CPC (source: EP)
H05B 3/748 (2013.01)

Citation (search report)
• [Y] DE 4440005 A1 19950518 - KYOCERA CORP [JP]
• [DY] DE 3526783 A1 19870129 - EGO ELEKTRO BLANC & FISCHER [DE]
• [A] US 5233166 A 19930803 - MAEDA MASAHIRO [JP], et al

Designated contracting state (EPC)
CH DE ES FR GB LI

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