

Title (en)  
OVENWARE FOR MICROWAVE OVEN

Title (de)  
FEUERFESTES GESCHIRR FÜR EINEN MIKROWELLENOFEN

Title (fr)  
PLATS POUR FOUR A MICRO-ONDES

Publication  
**EP 1824915 A1 20070829 (EN)**

Application  
**EP 05853505 A 20051207**

Priority  

- US 2005044603 W 20051207
- US 63459404 P 20041209
- US 68636005 P 20050601

Abstract (en)  
[origin: WO2006063225A1] Ovenware for microwave ovens which contain a composition comprising a ferrite susceptor which has a Curie point temperature of about 100°C to 300°C and a thermoplastic or thermoset polymer are improved and said composition is in contact with the food or drink to be heated or cooked, and/or composition has a thermal conductivity of 0.7 W/m°K or more. Heat generated by absorption of microwave radiation by the susceptor is more readily conducted to the food being cooked when the thermal conductivity of the composition is high, particularly when the part containing the susceptor is relatively thick. The ovenware and food being cooked. Also described are designs for various pieces of ovenware containing this composition.

IPC 8 full level  
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CPC (source: EP US)  
**A47J 36/027** (2013.01 - EP US); **A47J 36/06** (2013.01 - EP US)

Citation (search report)  
See references of WO 2006063225A1

Citation (examination)  

- "STANDARD TEST METHOD FOR TRANSITION TEMPERATURES AND ENTHALPIES OF FUSION AND CRYSTALLIZATION OF POLYMERS BY DIFFERENTIAL SCANNING CALORIMETRY", ASTM INTERNATIONAL STANDARD, vol. D3418-03, 2003, West Conshohocken, PA, US, pages 1 - 7, XP001248018
- "Standard Practice for Calibration of Temperature Scale for Thermogravimetry", ASTM INTERNATIONAL STANDARD, vol. E1582-93, 1993, West Conshohocken, PA, US, pages 650 - 656, XP009100522
- P.A. BATES, A.M. KENT: "An apparatus for the determination of Curie temperature", PHYS. EDUC., vol. 15, 1980, pages 386 - 389

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