

Title (en)

Manufacturing method of a non-stick cooking vessel for food, such as a cooking pot or similar article, internally provided with ceramic coating.

Title (de)

Verfahren zur Herstellung eines Antihaft-Kochgefäß für Lebensmittel, solch ein Kochtopf oder ähnlicher Artikel mit einer Keramikinnenbeschichtung

Title (fr)

Procédé de fabrication d'un récipient de cuisson anti-adhésif, par exemple pour casserole ou article similaire, doté à l'intérieur d'un revêtement céramique

Publication

EP 2450469 A1 20120509 (EN)

Application

EP 11187293 A 20111031

Priority

IT AN20100191 A 20101103

Abstract (en)

The present patent application relates to a manufacturing method of a non-stick cooking vessel for food, such as a cooking pot or similar article, internally provided with ceramic coating, comprising the following operations: a- preparation of a flat metal substrate b- heating of said substrate at a temperature comprised between 50°C and 80°C c- application of a ceramic coating of SOL-GEL type in liquid form on at least one first side of said substrate d- drying of said coating at approximately 70±10°C for approximately 6÷8 minutes e- spin-forming of said substrate in the final shape of said cooking vessel f- polymerization of said ceramic coating.

IPC 8 full level

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CPC (source: EP)

C23C 18/1208 (2013.01); **C23C 18/1241** (2013.01); **C23C 18/1254** (2013.01)

Citation (search report)

- [A] EP 1080806 A2 20010307 - LAGOSTINA SPA [IT]
- [A] US 4607512 A 19860826 - DEVILLE JEAN-PIERRE [FR]
- [A] WO 2007104258 A1 20070920 - CERASOL HONG KONG LTD [CN], et al
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