

Title (en)

NON-TOXIC LIQUID-IMPREGNATED SURFACES

Title (de)

MIT NICHTTOXISCHER FLÜSSIGKEIT IMPRÄGNIERTE OBERFLÄCHEN

Title (fr)

SURFACES IMPRÉGNÉES D'UN LIQUIDE NON TOXIQUE

Publication

EP 3046755 A1 20160727 (EN)

Application

EP 14844341 A 20140916

Priority

- US 201361878481 P 20130916
- US 2014055827 W 20140916

Abstract (en)

[origin: WO2015039085A1] Embodiments described herein relate generally to containers having liquid-impregnated surfaces disposed on their interior surfaces. The liquid-impregnated surfaces may compose an arrangement of solid and/or semi-solid features, defining one or more interstitial regions therebetween, and an impregnating liquid preferentially wetted to those regions. The containers may be designed to contain a product that is intended for human or animal consumption. The solid and/or semi-solid features and the impregnating liquid collectively define a secondary surface (e.g., substantially parallel to the interior surface on which the liquid-impregnated surfaces are disposed) and may include materials which are non-toxic. In particular, non-toxic liquid-impregnated surfaces of the disclosure may be configured for use in food, drugs, health and/or beauty product applications.

IPC 8 full level

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Cited by

EP3046763A4; EP3122474A4; US10870505B2; US11603222B2

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