

Title (en)

THERMOFORMABLE MELAMINE RESIN FOAM WITH PARTICULATE FILLER MATERIAL

Title (de)

THERMOVERFORMBARER MELAMINHARZSCHAUMSTOFF MIT PARTIKELFÖRMIGEM FÜLLMATERIAL

Title (fr)

MOUSSE EN RÉSINE EN MÉLAMINE DÉFORMABLE À CHAUD AVEC MATÉRIAU DE REMPLISSAGE À PARTICULES

Publication

EP 2922901 A1 20150930 (DE)

Application

EP 13802271 A 20131125

Priority

- EP 12194173 A 20121126
- EP 2013074547 W 20131125
- EP 13802271 A 20131125

Abstract (en)

[origin: EP2735584A1] Thermoformable melamine/formaldehyde foam comprises 0.1-50 wt.% of at least one particulate filler material having a melting point of at most 220[deg] C, where a weight percentage of used melamine-formaldehyde precondensate and a filling material is based on the total weight of the foam produced. An independent claim is included for producing the thermoformable melamine/formaldehyde, comprising foaming and drying the melamine-formaldehyde precondensate in a solvent with an acid, a dispersant, a blowing agent and the particulate filler material at temperatures above the boiling point of the blowing agent and then annealing at a temperature of above 200[deg] C.

IPC 8 full level

C08J 9/14 (2006.01); **C08J 9/00** (2006.01); **C08L 61/28** (2006.01)

CPC (source: EP US)

C08J 9/0023 (2013.01 - US); **C08J 9/0033** (2013.01 - US); **C08J 9/0061** (2013.01 - EP US); **C08J 9/141** (2013.01 - US); **C08L 61/28** (2013.01 - EP US); **C08J 2203/14** (2013.01 - EP US); **C08J 2205/05** (2013.01 - EP US); **C08J 2361/28** (2013.01 - EP US); **C08J 2379/04** (2013.01 - EP US); **C08J 2423/06** (2013.01 - EP US); **C08J 2423/12** (2013.01 - EP US); **C08J 2463/00** (2013.01 - EP US); **C08J 2467/00** (2013.01 - EP US); **C08J 2469/00** (2013.01 - EP US); **C08J 2475/00** (2013.01 - EP US); **C08J 2477/00** (2013.01 - EP US); **C08L 2203/14** (2013.01 - EP US); **C08L 2203/30** (2013.01 - EP US)

Citation (search report)

See references of WO 2014080003A1

Cited by

WO2024094552A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2735584 A1 20140528; CN 104812815 A 20150729; EP 2922901 A1 20150930; JP 2015535541 A 20151214; KR 20150091124 A 20150807; US 2015299413 A1 20151022; WO 2014080003 A1 20140530

DOCDB simple family (application)

EP 12194173 A 20121126; CN 201380061323 A 20131125; EP 13802271 A 20131125; EP 2013074547 W 20131125; JP 2015543448 A 20131125; KR 20157017135 A 20131125; US 201314646792 A 20131125