

Title (en)

BLOWING AGENT IMPREGNATION ENHANCEMENT IN BEAD FOAM

Title (de)

VERBESSERUNG DER TREIBMITTELTRÄNKUNG IN PARTIKELSCHAUM

Title (fr)

AMÉLIORATION DE L'IMPRÉGNATION PAR UN AGENT D'EXPANSION DANS UNE MOUSSE À BILLES

Publication

**EP 2164894 A1 20100324 (EN)**

Application

**EP 08770925 A 20080613**

Priority

- US 2008066814 W 20080613
- US 95837407 P 20070705

Abstract (en)

[origin: WO2009009252A1] Impregnate polymeric beads containing 100 parts of an alkenyl aromatic polymer, 0.1 to 8 parts of a blowing agent impregnation enhancer selected from a group consisting of saturate aliphatic hydrocarbons having 20 to 60 carbon atoms and ester products of a saturated mono-carboxylic acid having 14 to 20 carbon atoms with an alkyl alcohol having 3 to 5 carbon atoms with 2 to 9 parts of a blowing agent by softening the polymer beads containing the impregnation enhancer to within 40 °C of the beads softening temperature and impregnating the beads with blowing agent to prepare an expandable polymer bead. Expand the expandable polymer bead to prepare an expanded polymer bead foam.

IPC 8 full level

**C08J 9/00** (2006.01); **C08J 9/18** (2006.01)

CPC (source: EP)

**C08J 9/0023** (2013.01); **C08J 9/0066** (2013.01); **C08J 9/18** (2013.01); **C08J 2203/14** (2013.01); **C08J 2325/04** (2013.01)

Citation (search report)

See references of WO 2009009252A1

Designated contracting state (EPC)

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Designated extension state (EPC)

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DOCDB simple family (publication)

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