

Title (en)

MICROCAPSULES HAVING A PARAFFIN COMPOSITION AS A CAPSULE CORE

Title (de)

MIKROKAPSELN MIT EINER PARAFFINZUSAMMENSETZUNG ALS KAPSELKERN

Title (fr)

MICROCAPSULES À COMPOSITION DE PARAFFINE COMME COEUR DE CAPSULE

Publication

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Application

**EP 12703799 A 20120213**

Priority

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Abstract (en)

[origin: WO2012110443A1] The invention relates to microcapsules comprising a paraffin composition as a capsule core and a polymer as a capsule wall, which comprises 40 to 90 wt % of one or more C1-C24-alkylesters of acrylic and/or methacrylic acids (monomers I), 10 to 60 wt % of one or more ethylenically unsaturated cross-linking agents (monomers II), wherein at least 80 wt % relative to the ethylenically unsaturated cross-linking agents is a cross-linking agent having three or more ethylenically unsaturated radicals, and 0 to 30 wt % of one or more single ethylenically unsaturated monomers (monomer III) different from monomers I, each relative to the total weight of the monomers, wherein the paraffin composition comprises 35 to 98 wt % of n-octadecane, 1 to 10 wt % of at least one C20-C24-aliphate and/or diisopropylnaphthalene, 1 to 5 wt % of at least one wax having a melting point >40°C, and 0 to 50 wt % of n-hexadecane, each relative to the paraffin composition. The invention further relates to a method for producing same, and to the use thereof in binder construction materials, textiles, and heat carrier fluids.

IPC 8 full level

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Citation (search report)

See references of WO 2012110443A1

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