

Title (en)

MACROPOROUS MATERIAL IN THE FORM OF PLASTIC PEARLS

Title (de)

MAKROPORÖSES KUNSTSTOFFPERLENMATERIAL

Title (fr)

MATERIAU MACROPOREUX SE PRESENTANT SOUS LA FORME DE PERLES DE MATIERES PLASTIQUES

Publication

**EP 1556427 A2 20050727 (DE)**

Application

**EP 03750435 A 20030825**

Priority

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- EP 0309378 W 20030825

Abstract (en)

[origin: WO2004039854A2] The invention concerns a macroporous material in the form of plastic pearls, having an average particle diameter ranging between 10 and 1000  $\mu\text{m}$ , containing a copolymer consisting of: a) 5 to 60 wt. % of monomers capable of being subjected to vinyl polymerization, being at least 1 % water soluble at 20 DEG C; b) 1 to 40 wt. % of monomers capable of being subjected to vinyl polymerization, comprising an additional functional group capable of being covalently bound to nucleophilic groups of ligands, during a polymerization-like reaction; c) 10 to 40 wt. % of hydrophilic monomers capable of being subjected to a crosslinking free radical polymerization, comprising at least two ethylenically unsaturated polymerisable groups; and d) 10 to 60 wt. % of monomers capable of the subjected to vinyl polymerization, not more than 1 % water soluble at 20 DEG C, the sum of the monomers a) through d) being generally equal to 100 %.

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CPC (source: EP KR US)

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