

Title (en)
INTERNALLY COATED REACTION VESSEL FOR USE IN EMULSION POLYMERIZATION OF OLEFINIC MONOMERS.

Title (de)
INNENBESCHICHTETE REAKTIONSKUFE ZUR VERWENDUNG BEI DER EMULSIONSPOLYMERISATION OLEFINISCHER MONOMERE.

Title (fr)
RECIPIENT DE REACTION RECOUVERT A L'INTERIEUR DESTINE A ETRE UTILISE DANS LA POLYMERISATION EN EMULSION DE MONOMERES D'OLEFINES.

Publication
EP 0058169 A1 19820825 (EN)

Application
EP 81902171 A 19810724

Priority
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Abstract (en)
[origin: WO8200645A1] Polymerization reaction vessel having a thick coating on the inner surfaces thereof which is resistant to polymer buildup thereon. The coating results from applying to said surfaces an organic solvent solution containing an unneutralized condensation product comprised of (1) the self-condensation product of a polyhydric phenol, or (2) the condensation product of two or more polyhydric phenols, or (3) the self-condensation product of a polyhydric naphthol. When emulsion polymerizing olefinic monomers, such as vinyl halides, vinylidene halides, and vinylidene monomers having at least one terminal $\text{CH}_2=\text{C} <$ group, and mixtures thereof, in the presence of said coating, polymer buildup on the inner surfaces of the reaction vessel is substantially eliminated.

Abstract (fr)
Recipient de reaction de polymerisation possedant sur ses surfaces internes un revetement epais resistant a la formation de polymeres. Le revetement resulte de l'application a ces surfaces d'une solution de solvant organique contenant un produit de condensation non neutralisee constitue par (1) le produit de l'auto-condensation d'un phenol polyhydrique, ou (2) le produit de condensation de deux ou plusieurs phenols polyhydriques, ou (3) le produit de l'auto-condensation d'un naphthol polyhydrique. Lors de la polymerisation en emulsion de monomeres d'olefines, tels que des halogenures de vinyle, des halogenures de vinylidene, et des monomeres de vinylidene possedant au moins un groupe terminal $\text{CH}_2=\text{C}$, et des melanges de ce composant, en presence dudit revetement, la formation de polymeres sur les surfaces internes du recipient de reaction est sensiblement eliminee.

IPC 1-7
C08F 2/24; **C08F 2/26**

IPC 8 full level
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