

Title (en)
CROSS-LINKED COSMETIC OR PHARMACEUTICAL PHOSPHOLIPID-CONTAINING GELS AND EMULSIONS BASED ON ETHYLENE OXIDE-CONTAINING OR PROPYLENE OXIDE-CONTAINING EMULSIFIERS

Title (de)
VERNETZTE KOSMETISCHE ODER PHARMAZEUTISCHE PHOSPHOLIPIDHALTIGE GELE UND EMULSIONEN AUF DER BASIS VON ETHYLENOXIDHALTIGEN ODER PROPYLENOXIDHALTIGEN EMULGATOREN

Title (fr)
GELS ET EMULSIONS PHOSPHOLIPIDIQUES COSMETIQUES OU PHARMACEUTIQUES RETICULEES A BASE D'EMULSIFIANTS CONTENANT DES OXYDES D'ETHYLENE OU DE PROPYLENE

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Abstract (en)
[origin: WO03082182A2] The invention relates to a method for producing cross-linked microemulsion gels or cross-linked O/W emulsions of the O/W type, which contain an aqueous phase and an oil phase, substantially composed of highly viscous components, and which further contain at least one phospholipid and at least one O/W emulsifier and optionally a W/O emulsifier and, if desired, further adjuvants, additives and/or active substances and at least one cross-linking agent. The inventive gels or emulsions are produced by a) adding the aqueous phase and its components to the oil phase and its components, especially the phospholipid, the O/W emulsifier and optionally the W/O emulsifier, whereby a cross-linking agent or a plurality of cross-linking agents are added to the aqueous phase or the oil phase or to both phases. Viscosity increases and the gels are obtained and if more aqueous phase is added, microemulsions or cross-linked O/W emulsions are obtained. The gels or emulsions are further produced by b) adding the aqueous phase and its components to the oil phase and its components, especially the phospholipid, the O/W emulsifier and optionally the W/O emulsifier. An intermediate increase in viscosity can be observed and low-viscous phospholipid microemulsions or low-viscous O/W emulsions are obtained that are then converted to microemulsion gels or cross-linked O/W emulsions by adding a cross-linking agent or a plurality of cross-linking agents.

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