

Title (en)

AQUEOUS SUSTAINED-RELEASE DRUG DELIVERY SYSTEM FOR HIGHLY WATER-SOLUBLE ELECTROLYTIC DRUGS

Title (de)

WÄSSRIGES ARZNEISTOFFABGABESYSTEM MIT ANHALTENDER WIRKSTOFFFREIGABE FÜR STARK WASSERLÖSLICHE ELEKTROLYTIKA

Title (fr)

SYSTEME AQUEUX D'APPORT DE MEDICAMENTS A LIBERATION CONTROLEE POUR MEDICAMENTS ELECTROLYTIQUES HAUTEMENT HYDROSOLUBLES

Publication

EP 1893175 A1 20080305 (EN)

Application

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Priority

US 2005020534 W 20050609

Abstract (en)

[origin: WO2006135362A1] The present invention relates to liquid sustained release suspension dosage forms comprising ionized forms of water-soluble drugs. In particular, the invention encompasses a liquid form controlled release drug composition comprising a dispersed phase comprising an ion-exchange matrix drug complex comprising a pharmaceutically acceptable a ion-exchange matrix and a water-soluble electrolytic drug associated with the ion-exchange matrix, wherein the surface charge of the ion-exchange matrix is opposite that of the electrolytic drug wherein the dispersed phase further comprises a non-electrolytic, soluble component having low molecular weight and a diffusion controlling membrane and a dispersion medium substantially free of diffusible counterions, further comprising an excipient capable of associating with water and impeding water activity such that drug dissolution is inhibited prior to administration. The invention also provides methods for preparing such compositions and methods of treatment.

IPC 8 full level

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