

Title (en)

WATER SOLUBLE POLYVINYL LACTAM-DRUG COMPLEXES.

Title (de)

WASSERLÖSLICHE POLYVINYL-LACTAM-ARZNEIMITTEL-KOMPLEXE.

Title (fr)

COMPLEXES HYDROSOLUBLES MEDICAMENTEUX A BASE DE LACTAME POLYVINYLIQUE.

Publication

**EP 0305384 A4 19890613 (EN)**

Application

**EP 87903047 A 19870406**

Priority

- US 85863586 A 19860502
- US 85877886 A 19860502
- US 85897686 A 19860502
- US 85897886 A 19860502

Abstract (en)

[origin: WO8706464A1] Water soluble complexes of normally water insoluble drugs such as chlorothiazide, aminobenzoic acid, furosemide and mixtures thereof wherein the complexing agent is a polyvinyl lactam such as polyvinylpyrrolidone, polyvinylpyrrolidone-halogen complex or mixtures thereof. The invention also relates to the preparation of these complexes which involves dissolving the reactive components in an aqueous inert solvent combining the complexing agent and drug in a weight ratio of from about 1:1 to about 10:1 with agitation for a period of at least 5 minutes at a temperature above 3 DEG C and below the boiling point of the aqueous solvent solution under a pressure up to about 50 psig.

IPC 1-7

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IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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- [A] DE 3234350 A1 19840322 - HEMMANN ROLAND
- [A] BE 687578 A 19670301
- [A] EP 0003682 A1 19790822 - MERCK & CO INC [US]
- [X] CHEMICAL ABSTRACTS, vol. 92, no. 18, May 1980, page 396, abstract no. 152997t, Columbus, Ohio, US; SHIN SANG-CHUL et al.: "Studies on hydrophobic drug-soluble carrier coprecipitates. I. Dissolution characteristics of furosemide-polymer coprecipitates", & ARCH. PHARMACOL. RES. 1979, 2(1), 35-47
- [X] CHEMICAL ABSTRACTS, vol. 67, no. 15, 9 October 1967, page 7203, abstract no. 76251m, Columbus, Ohio, US; G. JUERGENSEN EIDE et al.: "Interaction between drugs and nonionic macromolecules", & ACTA PHARM. SUECICA 4(3), 185-200 (1967)
- See references of WO 8706464A1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

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