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(54) **DRUG DELIVERY SYSTEM FOR DELIVERY OF ACID SENSITIVITY DRUGS**

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(58) **Field of Classification Search**

None

See application file for complete search history.

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(57) **ABSTRACT**

The present invention relates to a drug delivery system comprising a core and a shell in which the core comprises a hydrolytically degradable polymer X which polymer backbone comprises pendant ester and acid functionalities and in which the shell comprises a hydrolytic degradable polymer Y. The hydrolytic degradable polymers X and Y are different polymers. Polymer X further comprises amino-acids in the polymer backbone and degrades via zero order degradation kinetics for a period of at least 3 months. Polymer Y degrades via auto-acceleration degradation kinetics.

28 Claims, 15 Drawing Sheets