US005120548A

United States Patent [19]

McClelland et al.

[11] Patent Number: 5,120,548

[45] Date of Patent: Jun. 9, 1992

[54] SWELLING MODULATED POLYMERIC DRUG DELIVERY DEVICE

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[21] Appl. No.: 433,056

[22] Filed: Nov. 7, 1989

[51] Int. Cl.[5] A61K 9/24; A61K 2/00; A61K 31/74

[52] U.S. Cl. 424/473; 424/424

[58] Field of Search 424/78, 81, 424, 427, 424/435, 437, 449, 473

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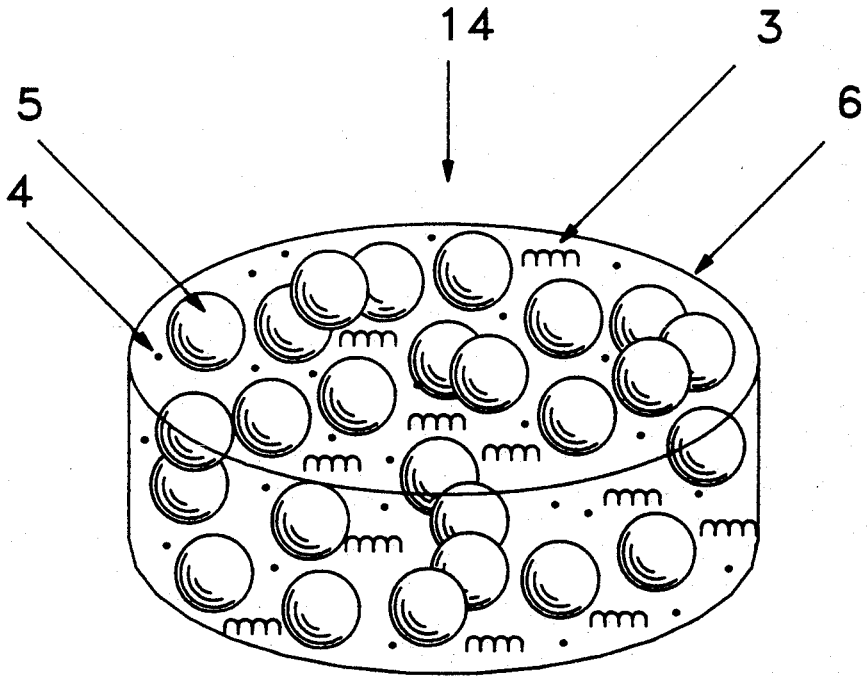
[57] ABSTRACT

A controlled release drug delivery device, comprised of swellable polymers, whose degree of swelling in an environment of use is controlled by swelling modulators blended within the polymers, is disclosed. The swelling modulators can include buffers, osmagents, surfactants or combinations thereof surrounded by a microporous coating or interspersed within individual matrices. The combination of controlled release swelling modulators with swellable polymers may be applied to regulate patterns of beneficial agent (typically a drug) release.

6 Claims, 5 Drawing Sheets