

United States Patent [19]

Okada et al.

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[54] **PROLONGED RELEASE MICROCAPSULES AND THEIR PRODUCTION**

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[58] Field of Search **264/4.6; 28/402.2; 514/963; 424/455, 457, 493, 497**

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[57] ABSTRACT

A microcapsule produced by preparing a water-in-oil emulsion comprising an inner aqueous layer containing said water-soluble drug and a drug retaining substance therefor and an oil layer containing a polymer substance, then thickening or solidifying said inner aqueous layer to a viscosity of not lower than about 5000 centipoises and finally subjecting the resulting emulsion to in water drying gives prolonged release of water-soluble drug.

13 Claims, No Drawings