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[54] **PROSTAGLANDINS E AND ANTI ULCERS CONTAINING SAME**

[75] Inventors: **Ryuzo Ueno; Ryuji Ueno**, both of Nishinomiya; **Ichie Kato**, Kawanishi; **Tomio Oda**, Sanda, all of Japan

[73] Assignee: **Kabushiki Kaisha Ueno Seiyaku Kenkyujo**, Osaka-Fu, Japan

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Related U.S. Application Data

[62] Division of Ser. No. 53,487, Apr. 28, 1993, Pat. No. 5,428, 062, which is a division of Ser. No. 681,031, Apr. 5, 1991, Pat. No. 5,225,439, which is a continuation of Ser. No. 406,830, Sep. 12, 1989, abandoned, which is a continuation-in-part of Ser. No. 149,445, Jan. 28, 1988, abandoned.

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[52] **U.S. Cl.** **514/530**; 514/573; 560/121; 562/503

[58] **Field of Search** 560/121; 562/503; 514/530, 573

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Primary Examiner—Robert Gerstl
Attorney, Agent, or Firm—Sughrue, Mion, Zinn, Macpeak & Seas, PLLC

[57] ABSTRACT

The novel 13,14-dihydro-15-keto prostaglandins E of the invention have remarkable preventive effects against ulcers. Further, the novel 13,14-dihydro-15-keto-prostaglandins E of the invention have an advantage that they have none of side effects which prostaglandin E intrinsically has, or can remarkably reduce such effects of the prostaglandin E. Therefore, the novel 13, 14-dihydro-15-keto prostaglandins E of the invention are effective for animal and human use for treatment and prevention of ulcers, such as duodenal ulcer and gastric ulcer.

8 Claims, 57 Drawing Sheets