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

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Related U.S. Application Data

[60] Division of Ser. No. 700,895, May 13, 1991, Pat. No. 5,166,174, 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.

[30] Foreign Application Priority Data

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

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

[56] References Cited

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[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-ketoprostaglandins 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.

13 Claims, 57 Drawing Sheets