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(54) Title: WATER-SOLUBLE PHARMACEUTICAL COMPOSITIONS OF HOPS RESINS

(57) Abstract: The present invention is drawn to water-soluble compositions for providing hops constituents, particularly alpha acids, iso-alpha acids, and beta acids. A pharmaceutical gel composition can comprise a hops extract and a surfactant. Such compositions can be formulated into products for various therapeutic applications, including oral and topical uses. Such compositions can also be dissolved in water to yield a clear solution containing more dilute hops acids. The invention also provides methods of treatment comprising administering water-soluble hops compositions. The present invention is also drawn to methods for making water-soluble preparations of hops constituents.



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 424/725

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
WEST, STN

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X, Y	JP 10025232 A (ASAHI BREWERIES LTD) 27 January 1998 (27.01.98), abstract.	1-22



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