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(54) Title: FORMULATIONS CONTAINING ASTRAGALUS EXTRACTS AND USES THEREOF

(57) Abstract: Formulations containing plant extracts, in particular *Astragalus* extracts, and their use in inducing telomerase activity in cells, are described. Such compositions include pharmaceutical, including topical, and nutraceutical formulations. The methods and compositions are useful for treating diseases subject to treatment by an increase in telomerase activity in selected cells, such as, for example, HIV infection, various degenerative diseases, and acute or chronic skin ailments. They are also useful for enhancing replicative capacity of cells in culture, as in *ex vivo* cell therapy and proliferation of stem cells. Also described are cosmetic formulations of such extracts for conditioning the skin.



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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/20363

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A61K 35/78

US CL : 424/725

According to International Patent Classification (IPC) or to both national classification and IPC

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)

USPT; PGPB; JPAB; EPAB; DWPI

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	US 6,153,208 A (MCATEE et al) 28 November 2000 (28.11.2000), col. 42, line 64 and col. 44, line 29.	1-5, 9-19, 22-23, 28-30, 32-37, 40, 41 ----- 6-8, 24-27, 38, 39
X --- Y	US 2002/0182272 A1 (HALSTEAD) 05 December 2002 (05.12.2002), claims 1 and 10	12-14, 18-20, 23, 27-29, 31 ----- 24-26
X --- Y	US 5,916,565 A (ROSE et al) 29 June 1999 (29.06.1999), claims.	12, 18-21, 23, 25-28, 31, 32 ----- 13-17, 24
X --- Y	Derwent English abstract of Chinese Pat. Pub. No. 1383853 A (ZHENG) 11 December 2002 (11.12.2002).	12-15, 17-21, 23, 28-31 ----- 16, 24-27
Y	US 5,629,154 A (KIM et al) 13 May 1997 (13.05.1997), col.2, lines 7-9, Example 3, col 23, line 1.	42-44



Further documents are listed in the continuation of Box C.



See patent family annex.

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