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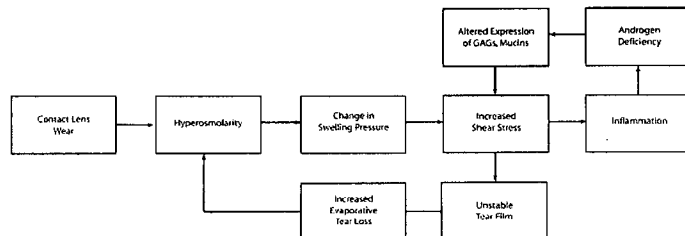
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(54) Title: THERAPEUTIC REPLENISHMENT AND ENRICHMENT OF OCULAR SURFACE LUBRICATION

Figure 1



(57) Abstract: A pharmaceutical composition, and methods of use thereof, for treating ocular boundary deficiency, symptoms associated therewith, or undesired condition is disclosed The composition comprises a human PRG4 protein, a lubricant fragment, homolog, or isoform thereof, and may optionally one or more agents selected from the group consisting of a demulcent, excipient, astringent, vasoconstrictor, emollient, sodium hyaluronate, hyaluronic acid, or surface active phospholipids

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INTERNATIONAL SEARCH REPORT

International application No.

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - A61K 31/16 (2009.01)

USPC - 514/8

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)
USPC- 514/8Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Patents and NPLElectronic data base consulted during the international search (name of data base and, where practicable, search terms used)
PubWest (US Patent, PgPub: classification best fit), DialogClassic (Derwent, EPO, JPO, USPTO, WIPO: keyword), GoogleScholar;
search terms: ocular?, ophthalm?, eye?, lubric?, drop?, PRG4, proteoglycan?, phospholipid?, balance? salt?

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2004/0009893 A1 (WANG et al.) 15 January 2004 (15.01.2004), para [0011], [0012], [0020], [0021], [0024], [0028], [0029], [0042]	1-30
Y	US 2007/0249557 A1 (JAY) 25 October 2007 (25.10.2007), para [0023], [0032], [0042], [0043], [0065]	1-30
Y	US 2005/0063996 A1 (PEYMAN) 24 March 2005 (24.03.2005), para [0016], [0028]-[0031], [0048]	8-10, 20-23, 26
A	US 2006/0067927 A1 (CHANDRASEKARAN et al.) 30 March 2006 (30.03.2006), entire document	1-30

 Further documents are listed in the continuation of Box C.

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