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- (81) **Designated States** (*unless otherwise indicated, for every
kind of national protection available*): AE, AG, AL, AM,
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BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM,
DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT,
HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KN, KP, KR,
KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME,
MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ,
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- (88) **Date of publication of the international search report:**
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(54) **Title:** COMPOSITIONS COMPRISING SULFORAPHANE OR A SULFORAPHANE PRECURSOR AND MAGNESIUM

(57) **Abstract:** The invention relates to the combination of a sulforaphane precursor, an enzyme capable of converting the sulforaphane precursor to sulforaphane, an enzyme potentiator, and magnesium or a salt or complex thereof. The invention also relates to the combination of a sulforaphane or a derivative thereof and magnesium or a salt or complex thereof. The invention also relates to the combination of a broccoli extract or powder and magnesium or a salt or complex thereof. The invention provides compositions and methods relating to these combinations.



INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - A61K 31/095 (2013.01)

USPC - 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)

IPC(8) - A61K 9/00, 31/00, 31/095, 31/255, 31/26, 33/04 (2013.01)

USPC - 424/464, 474, 703, 705, 725, 755; 514/71, 514, 515, 706, 708, 712

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

CPC - A61K 31/095, 31/26, 33/04 (2013.01)

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

Orbit.com, Google Patents, Google Scholar, Public AppFT, PatFT

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2008/0311192 A1 (WEST et al) 18 December 2008 (18.12.2008) entire document	1-6, 8-15
Y	WO 00/007607 A1 (KOSBAB) 17 February 2000 (17.02.2000) entire document	1-6, 8-15

Further documents are listed in the continuation of Box C:

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

04 December 2013

Date of mailing of the international search report

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