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(71) Applicant (for all designated States except US):

BOTANIC CENTURY (BEIJING) CO. LTD.
[CN/CN]; 208, Tower A, Innovation Center, No. 29 Life
Science Park Road, Changping District, Beijing 102206
(CN).

(72) Inventors; and

(75) Inventors/Applicants (for US only): XIE, Chen

[CN/CN]; 208, Tower A, Innovation Center, No. 29 Life
Science Park Road, Changping District, Beijing 102206
(CN). ZOU, Yingshu [CN/CN]; 208, Tower A, Innova-

tion Center, No. 29 Life Science Park Road, Changping
District, Beijing 102206 (CN).

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(54) Title: PLANT EXTRACT, COMPOSITONS CONTAINING SAME, METHOD OF EXTRACTION AND USES THEREOF

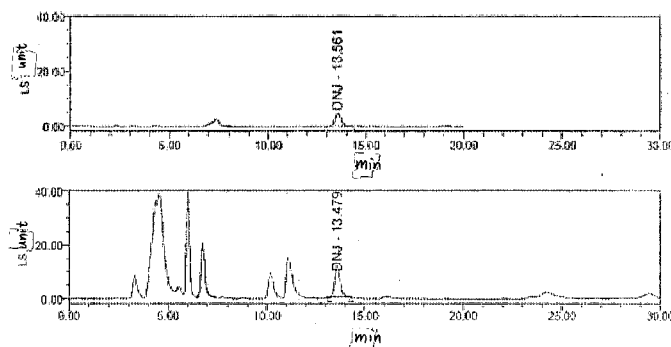


Fig. 1:

(57) **Abstract:** A plant extract obtained from the plant leaves of mulberry. It is extracted from Morus plant leaves, and has an IC₅₀ value, to inhibit α -glucosidase, at a concentration of less than 90 μ g/ml. The extract preferably comprises 5-40%(w/w) total imino sugars and 20-70%(w/w) total amino acids. The extract is obtained by a three-step extraction and purification process and may be used to reduce the production of melanin for the treatment of such ailments or diseases caused by pigmentation as freckle, chloasma, striae gravidarum, senile plaque and melanoma. It can also be used to control blood glucose level.