



The Chinese University of Hong Kong
Non-confidential Abstract of Technology Disclosure

Title:

An Lysine-enriched Protein and its Application on Breeding Transgenic Plant Seeds with Enhanced Nutritive Value

CUHK Ref. No.:

05/SCI/206

Inventor(s):

Professor Samuel SUN, Department of Biology

Patent Status:

- ◆ US Patent Pending
- ◆ PCT Application Filed

Non-confidential abstract:

The present invention, taking advantage of the high efficiency of expression and packaging system of natural seed storage protein, provides a method to genetically engineer a fusion protein between a major seed storage protein and a target protein of high nutritional value so that its high level of expression and accumulation results in seeds with enhanced nutrition.

The invention also extends to other edible parts of the transgenic plant or progeny thereof defined herein. Food and food supplements generated from the transgenic plant or progeny thereof or plant cells or plant seeds as defined herein are also the objects of the invention.

For further queries, please contact:

Mr Billy Lam
Technology Licensing Coordinator
Tel: (852) 2609 8882
Fax: (852) 2603 5451
Email: billylam@cuhk.edu.hk

Address:
Technology Licensing Office
The Chinese University of Hong Kong
Room 226, Pi Ch'iu Bldg, Shatin, New Territories
Hong Kong SAR