



MALAYSIA

CERTIFICATE OF GRANT OF A PATENT

In accordance with Section 31 (2) of the Patents Act 1983 a patent for an invention having grant number MY-154284-A has been granted to INTERNATIONAL ISLAMIC UNIVERSITY MALAYSIA, in respect of an invention having the following particulars :

TITLE : A TEMPERATURE SWING ADSORPTION PROCESS FOR DEHYDRATING ETHANOL

FILING DATE : 14 JUNE 2012

PRIORITY DATE : NONE

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DATE OF GRANT : 22 MAY 2015

DURATION OF PATENT : 14 JUNE 2012 UNTIL 14 JUNE 2032

END OF PROTECTION : 21 MAY 2016 (SUBSEQUENT ANNUAL FEE SHALL FOLLOW AS STATED IN THE SCHEDULE OF FEES AT THE BACK OF THIS PAGE)

Dated this 22 day of MAY 2015

(SHAMSIAH BINTI KAMARUDDIN)
Registrar of Patents
MALAYSIA