



GOVERNMENT OF PAKISTAN
THE PATENT OFFICE



Patent No: 143046

WHEREAS SCHOOL OF BIOLOGICAL SCIENCES, UNIVERSITY OF THE PUNJAB, LAHORE, PAKISTAN.

have declared that they are in possession of an invention for "Truncation and carbohydrate-binding module engineering of enzyme endocellulase, CelZ.C of Thermotoga Sp. for improved biomass degradation" and that they are assignees of 1. Dr. M. Waheed Akhtar 2. Dr. Saima Sadaf, 3. Abdul Basit

And that they are the true and first inventor thereof and that the same is not in use in Pakistan by any other person to the best of his knowledge, information and belief;

AND WHEREAS, they have humbly prayed that a Patent might be granted to them for the said invention;

AND WHEREAS, they have by and in their complete specification (of which a printed copy is hereunto annexed) particularly described and ascertained the nature of the invention and the manner in which the same is to be performed.

The Federal Government is pleased to order by these presents that the above said petitioners (including his legal representatives and assigns or any of them) shall, subject to the provisions of the Patents Ordinance, 2000 as patentees, have the exclusive privilege of making, selling and using the invention throughout Pakistan, and of authorizing others so to do for the term of twenty years from the 29/10/2015, Subject to the condition that the validity of this patent is not guaranteed by Government and also provided that the fees prescribed for the continuation of this patent are duly paid.

In witness thereof the Federal Government has caused this patent to be sealed as of the 24th day of October, 2019.

(Dr. Muhammad Fayyaz Ahmad)

Controller of Patents

Date of sealing: 24 OCT 2019

NOTE. _ Renewal fees will be due on this Patent, if it is to be maintained, by the 29th day of October, 2019 and by the corresponding day in each year thereafter.