

52BEFORE THE CONTROLLER OF PATENTS PATENT OFFICE, MUMBAI,

PATENTS ACT 1970

(SECTION 15)

In the matter of Patent Act, 1970 and as amended Patent (Amendment) Act 2005 In the matter of Patents Rule, 2003 and as amended Patent (Amendment) Rule 2006

In the matter of Patent Application No **202011031876**

ORDER UNDER SECTION. 15

The applicant's agent appeared for a hearing on 07/04/2022 at 11:30 HRS(IST) for (30 Mins) and the objections were discussed as raised in the hearing Notice. Based on the discussion during the hearing, the applicant's agent was inclined to file the amended claims with hearing submission as soon as possible (within time limit) from the date of hearing which was allowed. The amended claims 01-02 are filed after the hearing.

In view of the amendments and also from the elaborative hearing submissions (oral as well as written), a written submission clearly clarified. Therefore, the present invention is inventive to cited prior arts, therefore Novelty and Inventive steps are acknowledged. All the other requirements raised in the hearing notice, are further submitted & all objections are met. The said objections are therefore rendered moot. The submission as submitted was found to be satisfactory and convincing and therefore accepted.

However, the NBA objection is still outstanding which is raised in FER & SER. Therefore it is mandatory for the applicant to take permission from the NBA (National Biodiversity Authority) as per section 6(1) of the NBA Act.

Having considered all the circumstances, the submission made by the agent for the applicant during the hearing including all the documents on record and also in view of my above findings, and there is no pre-grant opposition filed. I hereby proceed for a grant with respect to the application 202011031876 entitled "HIGHLY EFFICIENT ACTIVE CARBON, THE PROCESS FOR PREPARATION AND USES THEREOF" under The Patents Act 1970. Granted with 01-02 claims (amended claims) as submitted 23/05/2022.

The final set of amended granted claims:

We Claim:

1. A process for preparation of activated carbon comprising;

a) Washing of rice husk with water or organic solvent or a mixture thereof,

b) Drying the washed rice husk obtained in step (a),

c) Grinding the dried rice husk obtained in step (b),

d) Sieving the ground rice husk obtained in step (c),

e) Carbonizing the sieved rice husk obtained in step (d),

f) Treating the carbonized rice obtained in step (e) with alkali base and

g) drying the reaction mass at higher temperature in the range of 100-900°C, characterized in that:

wherein carbonization is carried out in the temperature range between 300 and 450°C under inert gas atmosphere for 60-120 minutes, and wherein the Activated carbon obtained is having surface area of 80 to 1345 m²/g, porosity of 0.007-420 μm and methylene blue adsorption capacity of 190 mg/g.

2. The process according to claim 1, wherein drying is carried out in the temperature range of 650-800°C.

However, the subject matter of the present application is waiting for NBA approval.

Dated this 09-01-2023

(D A NAYAK)

Asst. Controller of Patents & Designs,

Patent Office Mumbai