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(71)Name of Applicant :

1)INDIAN INSTITUTE OF TECHNOLOGY (INDIAN SCHOOL OF MINES), DHANBAD

Address of Applicant :Dhanbad - 826004, Jharkhand, India Dhanbad -----

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)Biswajit Chowdhury

Address of Applicant :Department of Chemistry and Chemical Biology, Indian Institute of Technology (Indian School of Mines), Dhanbad, Dhanbad – 826004, Jharkhand, India Dhanbad -----

2)Akash Surajlal Rane

Address of Applicant :Vill.- Khamba, P.O.- Satalwada, Dist.- Bhandara,, Maharashtra, India – 441802 Bhandara -----

3)Aniruddha Singha

Address of Applicant :Vill.- Gopinathpur, P.O.- Telami, Dist.- Purba Medinipur, West Bengal, India – 721447 Purba Medinipur -----

(57) Abstract :

This present invention relates to a SnO₂-doped g-C₃N₄ catalyst (SnO₂/ g-C₃N₄) for CO₂ fixation reaction for cyclic urea production, comprising SnO₂ supported over graphitic carbon nitride (g-C₃N₄), wherein the SnO₂ nanocrystals are anchored to the g-C₃N₄ sheet structure and SnO₂ is present in 5 to 15 wt.%. Fig. 1

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