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(54) Title of the invention : GRADED COPPER INDIUM GALLIUM SELENIDE (CISG) SOLAR CELL (71)Name of Applicant : 1)Chitkara University Address of Applicant : Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India Rajpura -----:H01L0031032000, H01L0031180000, 2)Chitkara Innovation Incubator Foundation (51) International H01L0031074900, H01L0031039200, Name of Applicant : NA classification H01L0031054000 Address of Applicant : NA (86) International (72)Name of Inventor : :NA Application No 1)Shivani :NA Filing Date Address of Applicant : JRF, Department of Electronics & (87) International Communication Engineering, Chitkara University, Chandigarh-:NA **Publication No** Patiala National Highway, Village Jhansla, Rajpura, Punjab -(61) Patent of Addition :NA 140401, India Rajpura ----to Application Number 2)Dr. Jaya Madan :NA Filing Date Address of Applicant : Assistant Professor, Department of (62) Divisional to Electronics & Communication Engineering, Chitkara University, :NA Application Number Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, :NA Filing Date Punjab - 140401, India Rajpura ------3)Dr. Rahul Pandev Address of Applicant : Assistant Professor, Department of Electronics & Communication Engineering, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura,

(57) Abstract :

ABSTRACT GRADED COPPER INDIUM GALLIUM SELENIDE (CISG) SOLAR CELL The present disclosure discloses a graded copper indium gallium selenide (CISG) solar cell (102), comprising a CIGS layers (104) utilizing a linear grading, a parabolic grading, and a beta-grading to obtain an optimum composition for the CIGS layer in order to generate electricity. FIG. 1

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