

Dr. Samar Kumar Medda

DETAILS OF PATENTS:

Patents filed / Granted in India

Summary: Indian patent file/ granted: 8 numbers

1. " A process of manufacturing inorganic-organic hybrid sol and sol coated scratch resistant polycarbonate sheets and lenses and other related plastics"
G. De, D. Kundu and **S. K. Medda**, (*Patent No. 228274*)
Patent Appl. No.: 0744DEL2003 (Filing date: 29/05/2003)
Grant (sealing) date: 09/03/2007
2. "A process of making thermally curable inorganic-organic hybrid coating sol providing anti-scratch coatings on plastics"
G. De, and **S. K. Medda**, (*Patent No. 196846*)
Patent Appl. No.: 1094DEL2003 (Filing date: 02/09/2003)
Grant (sealing) date: 11/08/2006
3. "UV curable methacrylate-silica based nanocomposite sol useful for anti-scratch coatings and a process thereof"
S. K. Medda and G. De, (*Patent No. 264741*)
Patent Appl. No.: 1416DEL2007 (Filing date: 03/07/2007)
Grant (sealing) Date: 19/01/2015
4. "A process of making inorganic-organic hybrid sols for the deposition of antireflective (AR) coatings on plastic substrates"
G. De, S. De and **S. K. Medda**, (*Patent No. 287049*)
Patent Appl. No.: 1898DEL2009 (Filing date: 15/09/2009).
Grant (sealing) date: 04/09/2017
5. "A process for the preparation of inorganic organic hybrid sols for hard coating deposition"
G. De, S. K. Medda, (*Patent no: 296621*)
Patent Appl. No. 2285/DEL/2011 (Filing date: 12/08/2011)
Grant (sealing) date: 08/05/2018.
6. "A process for making sols useful for refractive index controlled coatings on plastic for scratch healing purpose"
S. K. Medda and G. De, (*Patent no.: 397540*)

Patent Appl. No.: 3601DEL/2014 (Filing date: 09/12/2014)

Grant (sealing) date: 24/05/2022

7. “Antireflective (AR) cum hydrophobic coatings composition for ordered mesoporous silica on textured solar cover glasses to increase photo-current with easy maintenance”

G. De, S. Manna and S. K. Medda

Patent Appl.No.: 201811023896 (Date of filing: 27/06/2018).

8. “A sol-gel drain process of making antireflective cum hydrophobic gamma ray resistant coatings on high lead oxide containing PbO-SiO₂ glass blocks”

S. Jana, S. Manna, S. K. Medda and S. Nag

Patent Appl. No.: 202211012040 (Filing date: 04/03/2022).