

Dr. Samar Kumar Medda

DETAILS OF PATENTS:

Patents filed / Granted in India

Summary: Total Patents filed / Granted: Indian patent: 9 numbers.

1. " A process of manufacturing inorganic-organic hydrid sol and useful as scratch resistant polycarbonate sheets and lenses and other related plastics
G. De, D. Kundu and **S. K. Medda**, Ind. *Patent No.* 228274; Grant (sealed) on 09/03/2007
Filing date: 29/05/2003
2. "A process of making thermally curable inorganic-organic hybrid coating sol providing anti-scratch coatings on plastics"
G. De, and **S. K. Medda**, Ind. *Patent. No.* 196846; Grant (sealed) on 11/08/2006
Filing date: 02/09/2003
3. "UV curable methacrylate-silica based nanocomposite sol useful for anti-scratch coatings and a process thereof."
S. K. Medda and G. De, Ind. *Patent No.* 264741; *Grant (sealed) on* 19/01/2015.
Filing date: 03/07/2007.
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**, Ind. *Patent No.* 287049; Grant (sealed) on 04/09/2017
Filing date: 15/09/2009.
5. "A coating to reduce near infrared radiation: a method of manufacturing and applying the coating."
S. K. Medda, S. Shiv Shankar, G. De and M. Sastry, *Patent Application No.* 747MUM/2007 (April 17, 2007)

6. "A process for the preparation of inorganic–organic hybrid sols for hard coating deposition"
G. De and S. K. Medda, Ind. Patent no: **296621**; Grant (sealed) on 08/05/2018.
Ind. Patent Appl. No. 2285/DEL/2011 (Filing date: 12/08/ 2011)
7. "A process for making sols useful for refractive index-controlled coatings on plastic for scratch healing purpose"
S. K. Medda and G. De, Ind. Patent no.: **397540**; Grant (sealed) on 24/05/2022
Ind. Patent Appl. No. 3601DEL/2014 (Filling date: 9/12/2014)
Published on 17/06/2016.
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8. "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. Kr. Medda, Patent no 529898; Grant (sealed) on 22/03/2024.
Ind. Patent Appl. No. 201811023896A (Filling Dated: 27/06/2018)
Published on 03/01/2020.
9. "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. Kr. Medda and S, Nag,
Ind. Patent Appl. No. 202211012040;(Filing date: 04/03/2022)
Published on 08/08/2023.