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(71) Applicant: **THERANAUTILUS PVT. LTD.**, [IN/IN]; NO. 61, G BLOCK, MANASA PRAKRITHI BUILDING, SAHAKARA NAGAR MAIN ROAD, KARNATAKA, BANGALORE 560012 (IN).

(72) Inventors: **DASGUPTA, Debayan**; SF-16, Center for Nanoscience and Engineering, IISc, KARNATAKA, BANGALORE 560012 (IN). **PEDDI, Shanmukh Srinivas**; SF-16, Center for Nanoscience and Engineering, IISc, KARNATAKA, BANGALORE 560012 (IN). **HEGDE, Prajwal Bramhavar**; SF-16, Center for Nanoscience and Engineering, IISc, KARNATAKA, BANGALORE 560012 (IN). **GHOSH, Ambarish**; SF-03, Center for Nanoscience and Engineering, IISc, KARNATAKA, BANGALORE 560012 (IN).

(74) Agent: **LAKSHMIKUMARAN, Malathi** et al.; B6/10, Safdarjung Enclave, New Delhi 110029 (IN).

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(54) Title: NANOSTRUCTURE, NANOCOMPOSITE, AND IMPLEMENTATIONS THEREOF

(57) Abstract: The present disclosure relates to a nanostructure comprising: 50 to 80% (w/w) of a magnetic material; and 20 to 50% (w/w) of calcium silicate. The present disclosure further relates to a nanocomposite comprising the nanostructure as disclosed herein with an additive. The present disclosure also provides a gel comprising the nanostructure or the nanocomposite and additives, and methods thereof.



WO 2023/203578 A1