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(71) Applicant (for all designated States except US): **SBF HEALTHCARE PRIVATE LIMITED** [IN/IN]; JMC House, Bisleri, Compound, Andheri-Ghatkopar Link Road, Andheri (E), Mumbai 400 099, Maharashtra (IN).

(72) Inventor: **VISHWANATH, Gopalakrishna, Vasishta**; B-40 Tarapore Garden, New Link Road, Andheri (West), Mumbai 400053, Maharashtra (IN).

(74) Agents: **KANE, Himanshu, W.** et al.; W. S. KANE & CO., Merchant Chamber, 6th Floor, 41, Sir Vithaldas Thackersey Marg, OPP. Patkar Hall, Churchgate, Mumbai - 400020 (IN).

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(54) Title: SEQUENTIALLY PROGRAMMED MAGNETIC FIELD THERAPEUTIC SYSTEM (SPMF)

(57) Abstract: The invention relates to a Sequentially Programmed Magnetic Field (SPMF) therapeutic system and method that comprises a plurality of arrays of magnetic field generators (MFGs) to produce sequentially programmed pulsed magnetic fields of about 0.1 to about 2000Hz at a focal region in a substantially rotary manner, the pulsing being controlled by a switching system operably linked to a computer that generates the operating protocol based on an embedded logic that is dependent on the cellular degenerative condition and to cellular regeneration and / or the degeneration processes and methods based on such processes. Electromagnetic fields of certain frequency ranges and intensities are indigenous to living tissues and it has been found that inciting the inherent resonance by exogenous treatment using an SPMF can induce cellular regeneration and / or degeneration processes and find application in the treatment of various types of arthritis, cancers and neuro disorders.

