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(71)**Name of Applicant :**
1)SWAMI VIVEKANANDA UNIVERSITY
Address of Applicant :Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia, West Bengal – 700121 Barasat ---------- ----------
Name of Applicant : NA
Address of Applicant : NA
(72)**Name of Inventor :**
1)DR. TANMOY SARKAR
Address of Applicant :SWAMI VIVEKANANDA UNIVERSITY Telinipara, Barasat - Barrackpore Rd Bara Kanthalia West Bengal India 700121 Barasat ---------- ----------
2)Mr. Tanmoy Majhi
Address of Applicant :SWAMI VIVEKANANDA UNIVERSITY Telinipara, Barasat - Barrackpore Rd Bara Kanthalia West Bengal India 700121 Barasat ---------- ----------
3)MR. VIBHOR RAJ
Address of Applicant :SWAMI VIVEKANANDA UNIVERSITY Telinipara, Barasat - Barrackpore Rd Bara Kanthalia West Bengal India 700121 Barasat ---------- ----------

(57) Abstract :
The invention relates to an advanced hydro-seeding method and system for efficiently establishing vegetation across diverse terrains, particularly in areas prone to erosion or disturbance. The method involves preparing a slurry mixture comprising seeds, mulch, water, fertilizer, and optional additives such as tackifiers and soil conditioners. This mixture is applied to the targeted area using a high-pressure blower machine, ensuring even distribution and optimal seed-to-soil contact. The slurry helps retain moisture, protect seeds, and promote rapid germination, while also stabilizing the soil and preventing erosion. The technology provides a cost-effective, sustainable solution for large-scale vegetation establishment, land reclamation, ecological restoration, and erosion control.

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