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(54) Title of the invention : EXPLORING WIRELESS CHARGING TECHNOLOGIES FOR SMARTPHONES

<p>(51) International classification :H02J50/00, H02J50/10, H02J7/00</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : 1)SWAMI VIVEKANANDA UNIVERSITY Address of Applicant :Telinipara, Barasat - Barrackpore Rd, Bara Kanthalia, West Bengal - 700121, India. Barasat -----</p> <p>Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)DR. TANMOY SARKAR Address of Applicant :SWAMI VIVEKANANDA UNIVERSITY, Telinipara, Barasat - Barrackpore Rd,Bara Kanthalia, West Bengal - 700121, India. Barasat -----</p> <p>2)MR.VIBHOR RAJ Address of Applicant :SWAMI VIVEKANANDA UNIVERSITY, Telinipara, Barasat - Barrackpore Rd,Bara Kanthalia, West Bengal - 700121, India. Barasat -----</p> <p>3)DR. SUDIP SENGUPTA Address of Applicant :SWAMI VIVEKANANDA UNIVERSITY, Telinipara, Barasat - Barrackpore Rd,Bara Kanthalia, West Bengal - 700121, India. Barasat -----</p> <p>4)Mr. Abhishek Dhar Address of Applicant :SWAMI VIVEKANANDA UNIVERSITY, Telinipara, Barasat - Barrackpore Rd,Bara Kanthalia, West Bengal - 700121, India. Barasat -----</p> <p>5)Mr. Saurabh Adhikari Address of Applicant :SWAMI VIVEKANANDA UNIVERSITY, Telinipara, Barasat - Barrackpore Rd,Bara Kanthalia, West Bengal - 700121, India. Barasat -----</p> <p>6)Prof. (Dr.) Subhranil Som, Principal, Address of Applicant :Bhairab Ganguly College 2, Feeder Rd, Beehive Garden, Belghoria, Kolkata -700056, West Bengal India Belghoria -----</p>
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(57) Abstract :

The work introduces a wireless charging system with a 10-meter range, enabling automatic charging within range, featuring 100W/5A output for rapid charging, supporting 10 devices at 2A each. It offers a sleek Wireless Charging Receiver Tag, fitting micro-USB slots, enabling Qi charging. Inductive charging, low heat, and high efficiency enhance the experience..

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