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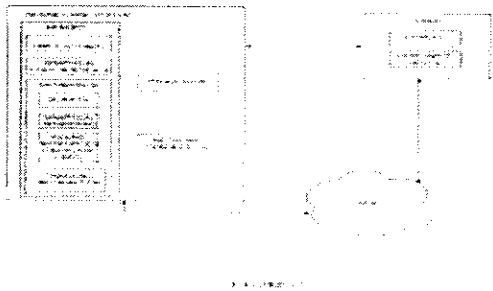
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<p>(51) International classification : A61B0005000900, G06N0020000090, A61P0017020000, G06T0007000000, G06F0007100000</p> <p>(86) International Application No : NA Filing Date : NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of 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 :  <b>1)Smit Kumar Ray</b>  Address of Applicant :MIG-66, Sector 7, Shankar Nagar, Raipur Chhattisgarh 492001 .....</p> <p><b>2)Dr. Harendra Kumar Lautre</b>  <b>3)Dr. Prakash Tanaji Wankhedkar</b>  <b>4)Dr. Kiranpal Singh Virk</b>  <b>5)Dr. Ramakrishnan Raman</b>  <b>6)Mrs.Kanchan Sudhir Gorde</b>  <b>7)R.Meenakshi</b>  <b>8)Dr. Pankaj Dadhrech</b>  <b>9)Dr. Pallab Kalita</b>  <b>10)Ruhul Amin</b></p> <p>Name of Applicant : NA  Address of Applicant : NA</p> <p>(72) Name of Inventor :  <b>1)Smit Kumar Ray</b>  Address of Applicant :MIG-66, Sector-2, Shankar Nagar, Raipur Chhattisgarh 492001 .....</p> <p><b>2)Dr. Harendra Kumar Lautre</b>  Address of Applicant :BYOS SCIENTIFIC LAB, Mova, Raipur Chhattisgarh 492007 .....</p> <p><b>3)Dr. Prakash Tanaji Wankhedkar</b>  Address of Applicant :Assistant Professor, Department of Zoology, M.J.M. ACS College, Karamnah, Tal. Peth, Dist. Nashik-422208 .....</p> <p><b>4)Dr. Kiranpal Singh Virk</b>  Address of Applicant :Assistant Professor, Department of Computer Science, Guru Nanak Khalsa College, Yamuna Nagar, Haryana .....</p> <p><b>5)Dr. Ramakrishnan Raman</b>  Address of Applicant :Professor and Director, Symbiosis Institute of Business Management and Symbiosis International (Deemed University), Pune, Maharashtra, India .....</p> <p><b>6)Mrs.Kanchan Sudhir Gorde</b>  Address of Applicant :Assistant Professor Department of Electronics Engineering Terna Engineering College Neral, Navi Mumbai-400708 .....</p> <p><b>7)R.Meenakshi</b>  Address of Applicant :Professor, Department of CSE, Chennai Institute of Technology .....</p> <p><b>8)Dr. Pankaj Dadhrech</b>  Address of Applicant :Associate Professor, Department of Computer Science &amp; Engineering (NBA Accredited), Swami Keshvanand Institute of Technology, Management &amp; Gramothan (SKIT), Japur, Rajasthan-307017, India .....</p> <p><b>9)Dr. Pallab Kalita</b>  Address of Applicant :Principal cum Associate Professor School of Pharmaceutical Sciences, University of Science and Technology Meghalaya, Baridua, Ribhoi, 793101, Steghalaya .....</p> <p><b>10)Ruhul Amin</b>  Address of Applicant :Assistant Professor Faculty of Pharmaceutical Science, Assam down town University, Panikhati, Guwahati- 781026 .....</p>
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(57) Abstract :  
This invention describes a wound analysing and treating system with a machine-learning-based approach for automated analysis of wound tissue from optical coherence tomography images. The process applies to all types of wounds, requires no manual input, and can produce clinically relevant metrics for the assessment of wound healing. The method addresses the need for automating and enriching the assessment of wounds and wound healing for improved monitoring of patients suffering from chronic injuries. This machine learning model will help identify and locate different tissue compartments present within a wound at variable depths previously not identified. It is directed to treat various forms of breaks in skin tissue and chronic surface tissue wounds.



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