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	(71) <b>Name of Applicant :</b> <b>1)Dr. Nitin Sachdeva</b> Address of Applicant :Assistant Professor, Department of Electronics Engineering, J.C. Bose University of Science and Technology, YMCA, Faridabad, Haryana ----- <b>2)Dr. Neetu Gupta</b> <b>3)Dr. Lalit Rai</b> <b>4)Vikas Kumar</b> <b>5)Garima Dhingra</b> <b>6)Jayant Bhatia</b> <b>7)Saket Jha</b> <b>Name of Applicant : NA</b> <b>Address of Applicant : NA</b> (72) <b>Name of Inventor :</b> <b>1)Dr. Nitin Sachdeva</b> Address of Applicant :Assistant Professor, Department of Electronics Engineering, J.C. Bose University of Science and Technology, YMCA, Faridabad, Haryana ----- <b>2)Dr. Neetu Gupta</b> Address of Applicant :Assistant Professor, Department of Electronics Engineering, J.C. Bose University of Science and Technology, YMCA, Faridabad, Haryana ----- <b>3)Dr. Lalit Rai</b> Address of Applicant :Assistant Professor, Department of Electronics Engineering, J.C. Bose University of Science and Technology, YMCA, Faridabad, Haryana ----- <b>4)Vikas Kumar</b> Address of Applicant :Student, Department of Electronics Engineering, J.C. Bose University of Science and Technology, YMCA, Faridabad, Haryana ----- <b>5)Garima Dhingra</b> Address of Applicant :Student, Department of Electronics Engineering, J.C. Bose University of Science and Technology, YMCA, Faridabad, Haryana ----- <b>6)Jayant Bhatia</b> Address of Applicant :Student, Department of Electronics Engineering, J.C. Bose University of Science and Technology, YMCA, Faridabad, Haryana ----- <b>7)Saket Jha</b> Address of Applicant :Student, Department of Electronics Engineering, J.C. Bose University of Science and Technology, YMCA, Faridabad, Haryana -----
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(57) Abstract :

This invention presents an Automated Hand Gesture Recognition System. The present invention comprising of an optical device or a sensor designed for the capture of hand movements, a computerized vision module responsible for the analysis and identification of hand movements within image data and a module for the interpretation of recognized hand movements, converting them into precise instructions or directives for the control of devices or software applications. Further, the present invention incorporating a feedback mechanism that gathers user interactions and integrates this data to amplify the system's performance, thereby offering continuous enhancement in the recognition of hand movements. Also, the computerized vision module adjusts to varying lighting conditions, hand dimensions, and user positions to guarantee the precise recognition of hand movements. Accompanied Drawing [FIG. 1-2]

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