



**GUJARAT TECHNOLOGICAL UNIVERSITY
(GTU)
INNOVATION COUNCIL (GIC)
Patent Search & Analysis Report
(PSAR)**



Date of Submission : 07/10/2016

Dear **Pethani Akshay Dilipbhai**,

Studied Patent Number for generation of PSAR : **16BE7_130030116040_5**

PART 1: PATENT SEARCH DATABASE USED

1. Patent Search Database used : Google Patents

Web link of database : <https://patents.google.com/>

2. Keywords Used for Search : Civil, Registry, System

3. Search String Used : Civil Registry system

4. Number of Results/Hits getting : 9999

PART 2: BASIC DATA OF PATENTED INVENTION /BIBLIOGRAPHIC DATA

5. Category/ Field of Invention : Other (biometric)

6. Invention is Related to/Class of Invention : biometric and biographic data collection

6 (a) : IPC class of the studied patent : G06K9/00885

7. Title of Invention : Portable apparatus for biometric and biographic data collection, storage and delivery, and method

8. Patent No. : US8659650B2

9. Application Number : US12778737

9 (a) : Web link of the studied patent : <https://patents.google.com/patent/US8659650B2>

10. Date of Filing/Application (DD/MM/YYYY) : 12/05/2010

11. Priority Date (DD/MM/YYYY) : 19/06/2009

12. Publication/Journal Number :

13. Publication Date (DD/MM/YYYY) : 25/02/2014

14. First Filled Country : Albania : United States

15. Also Published as

Sr.No	Country Where Filled	Application No./Patent No.
1		

16. Inventor/s Details.

Sr.No	Name of Inventor	Address/City/Country of Inventor
1	Antonio Mugica	USA
2	Roger Pinate	USA

17. Applicant/Assignee Details.

Sr.No	Name of Applicant/Assignee	Address/City/Country of Applicant
1	Smartmatic International Corp	USA

18. Applicant for Patent is : Company

PART 3: TECHNICAL PART OF PATENTED INVENTION**19. Limitation of Prior Technology / Art**

This is new methodology suggested by the inventor.

20. Specific Problem Solved / Objective of Invention

This disclosure relates generally to an apparatus and method for data capture, storage and delivery, particularly for capture, storage and delivery of biometric and biographic data. More particularly, this disclosure relates to an apparatus and method for automated data capture, storage and delivery of biometric and biographic information, which may be used, for example, in a population enrollment process or the like. In embodiments, this disclosure is directed to one or more electronic and optical devices integrated into a single device that is adaptable and configurable for various data registration projects, geographies and environmental conditions. In embodiments, the apparatus may be ruggedized and may be housed in a protected enclosure for ready transport, deployment and use.

21. Brief about Invention

The present disclosure relates to a method and apparatus for biometric and biographic data capture. The apparatus includes a main unit, a display monitor having a lower end that is pivotably attached to the main unit, a lower casing that houses the main unit, a bay formed in the lower casing for storing an input unit, an image capture device attached to an upper end of the monitor, the upper end being located on an opposite end of the display monitor compared to the lower end wherein the image capture device includes an illumination section for illuminating a subject to be imaged and an image capture section that captures an image of the subject, a secondary data input unit that is removably attached to the bay and is in communication with the main unit via a data transfer path, an upper casing securable to the lower casing so as to form an outer shell section, and a handle.

22. Key learning Points

Biometrics data capturing devices and how they work.

23. Summary of Invention

The present disclosure addresses these and other issues by providing an apparatus and method incorporating, for example, electronic, optical, information processing, data storage and communications technologies.

In embodiments, the apparatus and methods are incorporated into a portable, easy-to-set-up, easy-to-use, secure and convenient data entry station.

In embodiments, this disclosure is directed to one or more electronic and optical devices integrated into a single device that is adaptable and configurable for various data registration projects, geographies and environmental conditions.

In embodiments, the apparatus may be ruggedized and may be housed in a protected enclosure for transport, deployment and use.

24. Number of Claims : 19

25. Patent Status

:

Published Application

26. How much this invention is related with your IDP/UDP?

< 70 %

27. Do you have any idea to do anything around the said invention to improve it? (Give short note in not more than 500 words)

This patent is just for study purpose and increasing the domain knowledge about the biometrics systems.