List of Registered Patents and Granted Patents:

1. ***Sivarasu Sudesh**, Beukes Giancarlo Lanfranci, Voorneveld Jason Dirk, Levin Michael, Brijlal Yasheen, Nair Gokul Arjunan, Hugo George Alexis - Assistive Device for An Inhaler*
    - US Patent: US202117542753A , 24/03/2022

2. *Edmund Wessels, **Sudesh Sivarasu** – Endoscopic Device*
    - British Patent GB1803497.5, 05/03/2018
    - USA Patent: US 16/292,650 05/03/2019
    - EU Patent: EP 19160859.8 05/ 03/ 2019
    - **South African Granted Patent: ZA2019/01364**
    - **US Patent Granted: US 16/292,650 Granted 18/04/2022 [Patent Number Awaited]**

3. *Mike Levin, Gokul Nair, **Sudesh Sivarasu*** - An Auto-Injector
    - British Patent: GB1703982.7 13/03/2017
    - Canada Patent: CA 3,056,552 13/09/2019
    - India Patent: IN 201937041340 12/10/2019
    - South Africa Patent: ZA 2019/06448 12/10/2019
    - Australia Patent: AU 2018235276 11/10/2019
    - USA Patent: US16/493,553 13/09/2019
    - EU patent: EP P3330EP00
    - China Patent: CN P3330CN00
    - PCT: PCT/IB2018/051623 13/03/2018
    - **UK Granted Patent: GB2560524 31/07/2019**

4. ***Sudesh Sivarasu**, Giancarlo Lanfranci Beukes, Jason Dirk Voorneveld & Michael Levin* - An Assistive Device for an Inhaler
    - British Patent: GB1604709.4 21/03/2016
    - PCT/IB2017/051462 14/03/2017
    - USA Patent: US16/087,362 21/09/2018
    - EU patent: EP 17714018.3 01/10/2018
    - **EU Patent Granted: 3432951 30/04/2021**
    - **South Africa Patent Granted: ZA2018/06918 17/10/2018**
    - **Poland Patent Granted: PL3432952 26/05/2021**
    - **UK Patent Granted: GB3432952 26/05/2021**
    - **France Patent Granted: FR3432952 26/05/2021**
    - **Germany Patent Granted : DE3432952 26/05/2021**
    - **Turkey Patent Granted: TR2021013432T4 26/05/2021**
    - **US Patent Granted: US 11,213,636 04/ 01/2022**

5. *Sarthak Patnaik & **Sudesh Sivarasu*** Anatomical Support Facilitating Medical Imaging of the Hip, Leg and Knee [Laxmeter]
    - **UK Patent: GB2520046 [Granted] 14 Dec 2015;**
    - **US Patent no: 9,211,098 [Granted] 15 Dec 2015;**
    - **South African Patent no. 2014/08083 [Granted] 24 Nov 2015;**
    - Indian Patent 113/KOL/2014;

6. ***Sudesh Sivarasu****, Sarthak Patnaik* - Accessory for Conducting Patella Surgery [PatRig]
    - British Patent Reference no: GB1511597.5 (2015) – 02/07/2015
    - PCT Patent: PCT/IB2016/053967 (2016) – 01/07/2016
    - European Patent: EP16735944.7 (2018) – 31/01/2018
    - China Patent: CN201680045677.4(2018) – 02/02/2018
    - **South African Patent: ZA2018/00593 (2018) [Granted] – 19 Dec 2018**
    - Indian Patent: IN201837003152(2018) – 27/01/2018
    - **US Patent: 15/741223(2017) – 29/12/2017 – US10,524,807 – 07- Jan-2020**

7. *Keertan Unkha Jairam Dheda, Grant de vos Theron, Lester Ryan John &* ***Sudesh Sivarasu*** – Method and Device to Monitor Infectious Patients (Dheda Superspreader Mask)
    - British Patent: GB1407666.5 (2014) 01/05/2014
    - PCT: PCT/IB/2015/053143 (2015) 30/04/2015
    - Indian Patent: IN201637040251 24/11/2016
    - **UK Patent: GB2525643 [Granted] 06 Oct 2016**
    - **South African Patent: 2016/07894 [Granted] 20 Dec 2017**

8. *Brijlal Y, John LR,* ***Sivarasu S.*** Hand Exoskeleton.
    - South African Patent 2012/08238 01/11/2012
    - PCT: PCT/IB2013/059809 31/10/2013
    - European Patent: EP13824005.6 29/04/2015
    - China Patent: CN201380057411.8 30/04/2015
    - South Africa National Phase (2015/02680) 21/04/2015
    - **South Africa Patent: 02680/2015 [Granted] 29 June 2016**

9. *K.e.ch. Vidyasagar,* ***Sudesh Sivarasu*** - Mobile Controlled Multidrug Infusion System,
    - Indian Patent: 3996/CHE/2010
    - **Granted Patent No: 304847 21/12/2018**

10. *K.e.ch. Vidyasagar,* ***Sudesh Sivarasu***- Mobile Controlled Drug Delivery System,
    - Indian Patent : 3150/CHE/2010
    - **Granted Patent No. 288750 28/10/2017**

11. *Bindu Salim,* ***Sudesh Sivarasu****, Sridhar Cuddalor Parthasarthy, Rajasekharan Soumya, Sriram Krishnan, Thalakotur Lazar Mathew,* System for Dispensing Pills
    - Indian Patent: 841/CHE/2015 23/02/2015
      Granted Patent No: 352921 03/12/2020

12. *Sathish Kumar Paul, Rekha V &* ***Sudesh Sivarasu*** – Comprehensive Injury Detection and Prevention Tool for Leprosy Affected Patients.
    - Indian Patent :1540/CHE/2014

13. *Sharmila Nageshwaran, Rekha V,* ***Sudesh Sivarasu*** - Intelligent pressure shifting cushion to prevent decubitus ulcers in non-ambulatory patients.
    - Indian Patent : 1417/CHE/2014

14. *Preethika Britto, Rekha V,* ***Sudesh Sivarasu*** – Rehabilitative Robotics for Mobility Assistance for Paraplegics,
    - Indian Patent : 923/CHE/2012

15. *Jyoti Gupta,* ***Sudesh Sivarasu*** – Heart Valve Implant – Hollow Occluder Ball within Square Strut
    - Indian Patent: 1561/CHE/2011

16. ***Sudesh Sivarasu,*** *Lazar Mathew* – Novel Techniques for Low Weight Orthopedic Implant Development
    - Indian Patent: 1821/CHE/2010;

17. ***Sudesh Sivarasu,*** *Sathish Kumar Paul, Martins Mathew,Lazar Mathew* – Customized Foot Orthsis Development by 3 Dimensional Reconstruction of CT Images.
    - Indian Patent: 1819/CHE/2010

18. ***Sudesh Sivarasu****, Preethika Britto, Lazar Mathew* –Wheel Chair Automation Sensing Eyeball and Shoulder Kinematics,
    - Indian Patent: 212/CHE/2010

19. ***Sudesh Sivarasu****, Pearline Beulah, Lazar Mathew* – Skeletal Hip for Total Hip Arthroplasty
    - Indian Patent: 211/CHE/2010

20. ***Sudesh Sivarasu****, Lazar Mathew* – Artificial Knee for Eastern Lifestyles Application

Indian Patent: 160/CHE/2009