

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, Thalakatour 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 Nageswaran, 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 Orthosis 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