

3.4.3. No of Patents

No.	Name of the Patenter	Patent Number	Title of the patent	Year of Award of patent	
2014-2015					
1	J.N. Sharma. R. Ruhela, A.K. Suri, S. Manohar, P.K. Wattal	8785691/USA	Dialkyldiaza-tetraalkyl acetone diamide derivatives useful for the separation of trivalent actinide from lanthanide and process for the preparation thereof	2014-2015	BARC
2	A.K. Nayak, Manas Ranjan Gartia & P.K. Vijayan	5555625/Japan	Stabilised natural circulation system with nano particles	2014-2015	BARC
3	J.N. Sharma. R. Ruhela, A.K. Suri, S. Manohar, P.K. Wattal	201406100046200/China	Dialkyldiaza-tetraalkyl acetone diamide derivatives useful for the separation of trivalent actinide from lanthanide and process for the preparation thereof	2014-2015	BARC
4	Lalit Varshney and Amar Kumar	8828532/USA	A polymer composite for extracting caesium from Nuclear waste and / or other inorganic wastes / solutions	2014-2015	BARC
5	C. Anand Babu. R. Kesavamoorthy, Gunesh Dhekane, G. Vaidyanatha, Baldev Raj	2205672/Europe	Non-ionic, porous, solid resin with chemically bonded crown ether	2014-2015	IGCAR
6	P. Govindan, K. Damodharan, K.S. Vijayan, R.V. Subba Rao, M. Venkataraman, R. Natarajan	5643745/Japan	Wash Solution suitable for use in Continuous Reprocessing of Nuclear Fuel and a System thereof	2014-2015	IGCAR
7	Prashant Khare, B.N. Upadhyay, S.B.Roy; C.K.Pithawa, V.C. Sahni	5632924/Japan	Niobium based superconducting radiofrequency (SCRF) cavities comprising niobium components joined by laser welding	2014-2015	RRCAT
2015-2016					
8	S. Pradhan	9097750/USA	A dual-purpose atomic device for realising atomic frequency standard and magnetic field measurement	2015-2016	BARC

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मुंबई - ४००००९ / Mumbai-400 001

9	M. Vasudevan, A.K. Bhaduri, Baldev Raj	266346/India	A penetration enhancing flux formulation for Tungsten Inert Gas (TIG) welding of austenitic Stainless steel and its application	2015-2016	IGCAR
10	C. Anand Babu, B.K. Sharma, G. Mohanakrishnan & Baldev Raj	2274075/Europe	An innovative 'cut-and-feed' operation for enhancing the performance of ion-exchange chromatographic separation	2015-2016	IGCAR
11	Sanjiv Kumar Tiwari, Satya Ram Mishra, Surjya Prakash Ram	269505/India	Generator of Collimated variable diameter hollow laser beam	2015-2016	RRCAT
2016-2017					
12	K. P. Muthe, M. S. Kulkarni, Anuj Soni, Ajay Singh, N. S. Rawat, D. R. Mishra, Mrs. Ratna Pradeep, S. Bhattacharya, D. N. Sharma, S. K. Gupta	9523033/USA	A method for large-scale synthesis of optically stimulated luminescence grade polycrystalline ceramic material	2016-2017	BARC
13	S.M. Yusuf, J.V. Yakhmi (BARC), K.R. Balakrishnan (Fortis Hospital, Chennai)	9579434/USA	A flexible magnetic membrane based actuation system and devices involving the same	2016-2017	BARC
14	Ravin Kumar Dayal, Natrajan Parvathavarthini, Baldev Raj (IGCAR); Swetha Mulki, Indradev Samajdar (IIT, Bombay)	272698/India	Process for Development of a High resistance Austenitic Stainless Steel	2016-2017	IGCAR
15	P. Govindan, K. Damodharan, K.S. Vijayan, R.V. Subba Rao, M. Venkataraman, R. Natarajan	2223305/Europe	Wash Solution suitable for use in Continuous Reprocessing of Nuclear Fuel and a System thereof	2016-2017	IGCAR
16	M. Jayakumar, K.A. Venkatesan, T.G. Srinivasan, and P.R. Vasudeva Rao	279100/India	A novel method of Synthesis of Rhodium Metal Foam using room temperature ionic liquids	2016-2017	IGCAR
17	C. Babu Rao, C. Pandian, Jayakumar T, Baldev Raj	280741/India	Single Fibre grid with improved spatial resolution in distributed optical fibre sensor system	2016-2017	IGCAR
18	Prashant Khare, B.N. Upadhyay, S.B.Roy; C.K.Pithawa, V.C. Sahni	9352416/USA	Niobium based superconducting radiofrequency (SCRF) cavities comprising niobium components joined by laser welding	2016-2017	RRCAT

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19	Prashant Khare, B.N. Upadhyay, S.B.Roy; C.K.Pithawa, V.C. Sahni	2496379/Europe	Niobium based superconducting radiofrequency (SCRF) cavities comprising niobium components joined by laser welding	2016-2017	RRCAT
2017-2018					
20	Ravin Kumar Dayal, Natrajan Parvathavarthini, Baldev Raj (IGCAR); Swetha Mulki, Indradev Samajdar (IIT, Bombay)	2112237/Europe	Development of a very high resistance to sensitisation in austenitic stainless steel through a special heat treatment resulting in grain boundary microstructural modification	2017-2018	IGCAR
21	R. Krishna Prabhu, S. Anthonysamy, K. Anathasivan, V. Ganesan, and P.R. Vasudeva Rao	287491/India	A method of preparation of Potassium Fluoroborate (KBF ₄)	2017-2018	IGCAR
22	A.K. Bhaduri, G. Srinivasan, Baldev Raj, (IGCAR); V. Gopal, (Director, Gopal & Metzgar Tech. Chennai)	288175/India	A Process for Producing Body Centered Cubic (B2) Nickel Aluminide (NiAl) Coating of Controlled Thickness on Nickel- base Alloy Surfaces	2017-2018	IGCAR
23	M. K. Ahmed, R. Geetha, S. Ganesh, P. Velavendan, R. Natrajan (IGCAR), S. Sendhil Raja, P.K. Gupta (RRCAT)	291011/India	Improved path length fibre optic probe for on-line and off-line spectrophotometric assay	2017-2018	IGCAR
2018-2019					
24	Rachna Dave, Hiren M. Joshi, V.P. Venugopalan	300809/India	A wound dressing capable of in- situ NO _x release and a process for manufacturing the same	2018-2019	BARC
25	P. V. A. Padmanabhan, T. K. Thiyagarajan and S. Yugeswaran	303530/India	Thermal Plasma process for 'inflight' Dissociation of Zircon Mineral	2018-2019	BARC
26	Deepak Sharma, S. Santosh Kumar, Rahul Checker, Raghavendran S. Patwardhan, Sundarraj Jayakumar, Preethi Sasi and Subrata Chattopadhyay (Radiation Biology & Health Science Division, BARC) and Vikram Gota (ACTREC)-7	1,01,83,026/USA	A Method of adjuvant treatment with Chlorophyllin containing therapeutic preparation including for Radioprotection of normal tissues during radiation therapy and kit thereof	2018-2019	BARC


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27	T. K. Dey, Avishek Pal, B. C. Bindal, P. K. Tewari	308260/India	Charged thin film composite nanofiltration membranes and process of its production	2018-2019	BARC
28	Lalit Varshney and Amar Kumar	2451574/Europe	A polymer composite for extracting caesium from Nuclear waste and / or other inorganic wastes / solutions	2018-2019	BARC
29	A.K. Bhaduri, G. Srinivasan, Baldev Raj, (IGCAR); V. Gopal, (Director, Gopal & Metzgar Tech. Chennai)	2217736/Europe	A Process for Producing Body Centered Cubic (B2) Nickel Aluminide (NiAl) Coating of Controlled Thickness on Nickel- base Alloy Surfaces	2018-2019	IGCAR
30	Vikas Jain, Girdhar Mundra, Satish Chandra Joshi and P. D. Gupta	6259913/Japan	A method and device for tuning SCRF Cavity	2017-2018	RRCAT
31	Vikas Jain, Girdhar Mundra, Satish Chandra Joshi and P. D. Gupta	3266285/Europe	A method and device for tuning SCRF Cavity	2018-2019	RRCAT
32	Sanjay Kher, Mrs. Smita Chaubey, Jai Kishore, S. M. Oak	10101467/USA	Optical Rare-Earth doped fibre long period grating based ionizing radiation dose Sensor device	2018-2019	RRCAT

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