

Patents Filed

No	Authors	Patent Title	Patent Number	In
1	T.Vasudevan, R.Gangadharan A.Subramania	A novel process for the synthesis of LiNiVO ₄ as cathode material for the rocking chair lithium ion cells	NF-256/00	India
2	T.Vasudevan, R.Gangadharan A.Subramania	A novel solid-state method for the synthesis of lithium molybdate Li ₂ MoO ₄ as cathode material for secondary lithium intercalation cell	NF-257/00	India
3	T.Vasudevan,	A process for the synthesis of LiCo _{1.5} Mn _{0.5} O ₂ useful as material for reversible lithium ion cells	NF-258/00	India
4	T.Vasudevan,	A process for the synthesis of LiAl _{1.5} Co _{0.5} O ₂ useful as cathode material for reversible lithium ion cells	NF-259/00	India
5	T.Vasudevan,	An improved process for the synthesis of LiAl _{1.5} Ni _{0.5} O ₂ useful as cathode material for the rocking chair lithium ion cells	NF-260/00	India
6	T.Vasudevan,	A novel process for the synthesis of LiCo _{1.5} Ni _{0.5} VO ₄ useful as cathode material for high voltage lithium ion cells	NF-275/00	India
7	T.Vasudevan, R.Gangadharan A.Subramania	A Low temperature procedure for the synthesis of LiCoMnO ₄ battery cathode material. rocking chair lithium ion cell	NF-276/00	India
8	T.Vasudevan, R.Gangadharan A.Subramania	A novel process for the preparation of LiNiMnO ₄ as battery cathode material for high voltage lithium cells.	NF-277/00	India
9	T.Vasudevan, R.Gangadharan A.Subramania	A thermal procedure for the synthesis of LiCo _{0.5} Ni _{0.5} O ₂ battery cathode material for reversible lithium ion cells.	NF-278/00	India
10	T.Vasudevan, R.Gangadharan A.Subramania	A novel process for the preparation of LiCoVO ₄ useful as cathode material for the secondary lithium ion cells.	NF-279/00	India
11	T.Vasudevan,	A novel process for the synthesis of LiCoMnO ₄ useful as battery cathode material for lithium ion cells	NF-292/00	India
12	T.Vasudevan,	A novel process for the synthesis of LiFe _{0.5} Co _{0.5} O ₂ useful as cathode material for reversible lithium ion cells	NF-293-00	India
13	T.Vasudevan, R.Gangadharan A.Subramania	A novel wet grinding thermal process for the synthesis of LiNiPO ₄ cathode material for rocking chair lithium ion cells	NF-381/00	India & US
14	T.Vasudevan, R.Gangadharan A.Subramania	A process for the preparation of LiBF ₄	NF-382/00	India
15	T.Vasudevan, R.Gangadharan A.Subramania	An improved process for the synthesis of LiCo _{0.5} B _{0.5} O ₂ useful as cathode material for reversible lithium in cells	NF-419/00	India

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16	T.Vasudevan,	A new method for the preparation of LiNi _{0.5} Mg _{0.5} VO ₄ cathode material for high voltage lithium in cells	NF-420/00	India
17	T.Vasudevan, R.Gangadharan A.Subramania	A method for preparation of LiClO ₄ useful as electrolyte for non-aqueous batteries	NF-421/00	India
18	T.Vasudevan, R.Gangadharan A.Subramania	A novel process for the synthesis of lithium meta borate (LiBO ₂)	NF-422/00	India
19	T.Vasudevan, R.Gangadharan A.Subramania	A new solid state thermal method for the synthesis of LiPF ₆ as battery electrolyte	US 033432-013	US
20	T.Vasudevan, R.Gangadharan A.Subramania	A new solid state process for the synthesis of lithium meta phosphate (LiPO ₃)	US 23373	US
21	T.Vasudevan, R.Gangadharan A.Subramania	A solid state method for the synthesis of lithium meta arsenate (LiAsO ₂)	US 10/108,696 EU 2718509 9-2111- IN0200086)	US & EU
22	T.Vasudevan, R.Gangadharan A.Subramania	Preparation of lithium hexafluoro arsenate (LiAsF ₆) by a novel method for lithium cells	NF-453/2001; US 6, 682,712 B2/2004; EU 02718503.2- 211-IN	India & US & EU
23	T.Vasudevan,	A new solid state thermal method for the synthesis of LiMn ₂ O ₄ from oxides of manganese	NF-456/01	India
24	T.Vasudevan,	Solid state thermal synthesis of cobaltate	WO 03/08017 A1	World
25	T.Vasudevan,	A novel wet grinding procedure for the preparation of LiCrMnO ₄ battery cathode materials for Lithium ion cell	NF-133/2001	India
26	T.Vasudevan, R.Gangadharan A.Subramania	Process for preparing cathode materials for Li-batteries	0156NF2002/I N WO 03/086975A1	World
27	G.Paruthimal Kalaiganan		217 /CHE/2011 , Dt.24 .01.2011	India
28	G.Paruthimal Kalaiganan		236 /CHE/ 201 1, Dt.25.01.201 1	India
29	G.Paruthimal Kalaiganan		2196/CHE/201 3, Dt.20.05.201 3	
30	Dr. H.Gurumalles Prabu,	Facemask material with improved bacterial filtration efficiency	2196/CHE/201 3, Dt.20.05.201	India

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	Dr. S.Ananda babu, Dr. S.Ravikumar		3	
31	Dr. M. Sundrarajan, Dr. Hong Sun Lg, Dr. J. Suresh, Dr. R. Yuvakumar, Dr. R. Rajiv Gandhi	Bioinspired metaloxide nanopowders for biomedical applications	3557/CHE/201 4A, Dt.20/07/20 14	India
32	Dr. Hong Sun Lg, Dr. J. Suresh, Dr. R. Yuvakumar, Dr. J. Nathanael, Dr. M. Sundrarajan	Method for manufacturing ZnO nanopowder and ZnO nanopowder manufactured by the method	3557/CHE/201 4A, Dt.20/07/20 14	Korea
33	Dr.H.Gurumallesh Prabu, Dr. S.Ananda babu, Dr. S.Rajeswari	Preparation of novel flower like structure CuZnO/rGO composite film for cytotoxicity again	202141027599, Dt.21.06.2021	India (Granted)
34	Dr. A. Sivaranjini, Dr. R. Subashkumar, Dr. P. Boomi, Dr. S. Santhosh Baboo, Dr. B. L. Shivakumar, A. Aswini, Dr. J. Jeyakanthan, Dr.H.Gurumallesh Prabu, Dr. P. Sagadevan	A process for extraction of copper oxide nanoparticles using green synthesis	202141049992, Dt.07.12.2021	India