

**CSTRI TECHNOLOGIES PATENTS UNDER PROGRESS**

<b>Sl.No.</b>	<b>Date of filing Application in Patent Office</b>	<b>Application Number</b>	<b>Project Title</b>	<b>Innovator (s)</b>
1	27.01.2005	1472/CHE/2005	CSTRI 6-spindle motorized/pedal operated reeling-cum-twisting machine	Dr.T.H.Somashekar
				Subrata Roy
				G.N.Ramaswamy
				Dr.Kariappa
2	19.05.2008	IPR/4.19.3/08001 2008	MRTM 6 spindles (Two in one) machine	Subrata Roy
				G.N.Ramaswamy
				Dr.Kariappa
				Dr.Uday C Javali
3	15.05.2006	IPR/4.19.3/08002	CSTRI Motorized-cum-pedal operated spinning machine Model - II	Dr.T.H.Somashekar
				Subrata Roy
				G.N.Ramaswamy
				Kariyappa Prakash Bhat
4	07.04.2005	IPP/PA/2K518	CSTRI Motorized-cum-pedal operated Reeling cum Twisting machine	Dr.T.H.Somashekar
				Kariyappa
				Umesha M
				Dinakar Bhat
5	16.12.2008	3159/CHE/2008	CSTRI Parallel Beat-up Mechanism for Pit and Frame Handlooms	Sangappa Shillin
				Subrata Roy
				G.N.Ramaswamy
				S.M.Hukkeri
6	22.08.2008	2046/CHE/2008	Electrically cum pedal operated spinning machine	Dr.T.H.Somashekar
				Subrata Roy
				G.N.Ramaswamy
				Dr.Kariappa Prakash Bhat
7	09.02.2011	IPR /4.3.12/10079	Low Cost Eight Multiend Reeling Machine	Dr.Uday C Javali
				D.Ravikumar
				Subrata Roy
8	19.12.2012	IPR/FA/12093-L/2013	Efficient energy Management for Silk Reeling Process in Multiend Machine	Vijaykumar P Kathari
				K.N.Mahesh
				Dr.Arindam Basu
9	19.12.2012	IPR/FA/12092-L/2013	Ushma Shoshak Unit	Vijaykumar P Kathari
				K.N.Mahesh

				Dr.Arindam Basu
10	30.07.2013	IPR/FA/13017/2013	CSTRI Eco Degumming Machine	Dr.M.A Joseph
				S.A.Hipparagi
				K.Jaganathan
				Dr.Arindam Basu
11	17.11.2014	IPR-14052-2014	Development of hot air drier with hot air generator of 250-500 kg capacity per batch for drying silkworm Pupae	Dr.Subhas V Naik
				Dr.G.Hariraj
				B.M.Mahadevaiah
				M.K.Ghosh
12	23.1.17	201741042167	Improved less friction Jacquard box for silk handloom	K.M.A Kadhar
				M.G.Mahesh
				V.K.Ramesh Babu
13	02.04.2019	NRDC-IPFC/BNG/BD/ IPR/ PC/CSTRI/ SERICIN/2019	Development of process protocol for purification (removal of heavy metals) of mulberry silk sericin for cosmetic applications	Dr.M.A Joseph
				K.Jaganathan
				S.A.Hipparagi
				Dr.Subhas V Naik
14	20.12.2019	201941053102	Eri silk degumming device (Design & Development of CSTRI Eco Eri Cocoon Degumming Machine and process standardisation)	Sreenivasa
				Dr.M.A Joseph
				Prakash Bhat
				S.A.Hipparagi
				Dr.Subhas V Naik
15	23.03.2021	202141012449	Void Raw Silk Reeling Machine (Development of Void silk reeling machine and production of unique void silk fabrics (Crepe silk)	Dr.G.Hariraj
16	11.06.2021	202141026002	Cooking m/c for cocoons (Development of Conveyor cocoon cooking machine – 200-300 kg capacity per shift of 8 hours)	Dr.Subhas V Naik
				Dr.G.Hariraj
17	12.04.2021	202141017014	HOT AIR DRIER FOR COCOONS - (Development of Automatic conveyor Hot Air Drier with Hot Air Generator for drying of cocoons of 1000/2000 kg capacity per day (24 hrs)	Dr.Subhas V Naik
				Dr.G.Hariraj
				B.M.Mahadevaiah
18	15.02.2010	374/CHE/2010	CSTRI improved handloom (pit loom)	K.Jaganathan
				Sangappa Shillin
				G.N.Ramaswamy
				Dinakar Bhat
				B.S.Hubballi
19	16.09.2010	2714/CHE/2010	Low cost solar operated spinning machine	Dr.Uday C Javali
				Subrata Roy
				Ravikumar.D
20	10.02.2010	326/CHE/2010	CSTRI Automatic and Positive Fabric Take-up Mechanism and Negative Let-off Mechanism for Handlooms	K.Jaganathan
				G.N.Ramaswamy
				S.M.Hukkeri

			On Mechanism for Handlooms	Ramesh Sugur
				S.Meganathan
21	11.05.2022	NRDC/T/2223/011	Design and Development of Muga and Tasar Yarn Winder and Inspection apparatus for Yarn surface characteristic evaluation	Prakash Bhat
				Ravi Kumar
				Dr.Manjunath R.N
				Dr.Subhas V.Naik