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ক্রমিক নং (Serial no.)	উত্তীর্ণের শিরোনাম (Title of the Invention)	আবেদনকারী ও উত্তীর্ণকের নাম Name of the Applicant(s) & Inventor(s)	আবেদন দাখিলের তারিখ ও নম্বর (Filing date & Number)	অগ্রাধিকার নম্বর ও তারিখ Priority number & Date	পেটেন্ট-এর শ্রেণি Classification of Patent (IPCs)	বিষয়বস্তুর সার-সংক্ষেপ (Abstract)	অংকন (Drawing)
1.	A production process for totally biodegradable biopolymer from jute	Dr. Mubarak Ahmad Khan Dr. Mubarak Ahmad Khan	18/12/2022 BD/P/2022/411	N/A	N/A	Jute-based biopolymer has to address both quality and cost issues of the proposed alternative to the single-use plastic. It is claimed as jute cellulose-based biopolymer, 100% biodegradable, compostable, recyclable, eco-friendly. The physical properties of the biopolymer are very much compatible with traditional plastic. It is capable of carrying load by 1.5 times higher with enhanced thermal properties. The mentioned invention is made through very simple formulations and a new casting manufacturing process. A new crosslinking process is mentioned for bonding of cellulose molecules and bio-polymer molecules with low-cost acid and high-temperature control pressure reactor machines. The invention is intended to diminish the rising environmental threats due to the landfilling of plastic waste and the health hazards posed by its disposal.	