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→ USPTO\_LIC 2002/002

## **CONFIRMATORY INSTRUMENT**

APPLICATION FOR: System and Meth	od for Modeling and Forecasting Cyclical			
Demand Systems with Dynamic Control	s and Dynamic Incentives			
INVENTOR(S): Ramesh Natarajan, Jor Zhang, Shivaram Subramanian	nathan R Hosking, Soumyadip Ghosh, Xiaoxuan			
SERIAL NO. 13/869628	FILING DATE: April 24, 2013			
CONTRACTOR				
CONTRACTOR: INTERNATIONAL BUSINESS	CONTRACT NO. DE-OE0000190			
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IBM Disclosure No.: YOR8-2011-1038 IBM Docket No.: YOR9-2013-0146US1

> **PATENT** REEL: 030993 FRAME: 0845

**RECORDED: 08/01/2013**