



Australian Government

IP Australia

# Register of Patents

Patents Act 1990

## Innovation Patent

Patent no: 2021105834

**Patentee(s):** Bhagat, Sanjeev Kumar of Department of Electrical Engineering  
National Institute of Technology Silchar Assam 788010 India  
Saha, Arindita of Department of Electrical Engineering Regent  
Education and Research Foundation Group of Institutions Kolkata  
WB 700121 India  
Babu, Naladi Ram of Department of Electrical Engineering National  
Institute of Technology Silchar Assam 788010 India  
Saikia, Lalit Chandra of Department of Electrical Engineering  
National Institute of Technology Silchar Assam 788010 India

**Inventor(s):** Babu, Naladi Ram  
Saikia, Lalit Chandra  
Bhagat, Sanjeev Kumar  
Saha, Arindita

**Title:** HYBRID CROW-SEARCH ALGORITHM WITH PARTICLE  
SWARM OPTIMIZATION IN LOAD FREQUENCY CONTROL  
(LFC).

**Term:** Eight years from 18 August 2021

**Date Granted:** 27 October 2021

**Date Certified:**

**Date of Patent:** 18 August 2021

**Status:** GRANTED

**Expiry Date:** 18 August 2029

**Date Ceased:**

**Date Revoked:**