

(54) Title of the invention : A METHOD AND SYSTEM FOR RELATION EXTRACTION FROM FINANCIAL NEWS USING PATTERN MATCHING AND BOOTSTRAPPING

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| <p>(51) International classification :A61P 430000, F25B 090000, G06F 169535, G06T 073300, H04L 675000</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p> | <p>(71)Name of Applicant : 1)Dr. Anurag Pahuja Address of Applicant :Professor, Mittal School of Business, Lovely Professional University Phagwara, Punjab, India -----</p> <p>2)Dr. Alok Singh Chauhan 3)Ms. Jyoti Dua 4)Mr. Ramashankar Yadav 5)Mr. Tushar Gupta 6)Ms. Anamika Srivastava 7)Mr. Abhijit Kumar 8)Mr. Pradeep Kumar Tiwari 9)Ms. Nidhi Sharma 10)Ms. Arpita Singh Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)Dr. Anurag Pahuja Address of Applicant :Professor, Mittal School of Business, Lovely Professional University Phagwara, Punjab, India -----</p> <p>2)Dr. Alok Singh Chauhan Address of Applicant :Associate Professor, Department of Computer Application, School of Computing Science & Engineering, Galgotias University, Greater Noida, Uttar Pradesh, India - -----</p> <p>3)Ms. Jyoti Dua Address of Applicant :Research Scholar, Department of Computer Science, Banaras Hindu University, Varanasi, Uttar Pradesh, India -----</p> <p>4)Mr. Ramashankar Yadav Address of Applicant :Assistant Professor, Department of Computer Science and Engineering, G L Bajaj Institute of Technology and Management, Greater Noida, Uttar Pradesh, India -----</p> <p>5)Mr. Tushar Gupta Address of Applicant :Research Scholar, Department of Computer Science, Noida International University, Greater Noida, Uttar Pradesh, India -----</p> <p>6)Ms. Anamika Srivastava Address of Applicant :Assistant Professor, Department of Computer Science and Engineering, Noida Institute of Engineering and Technology, Greater Noida, Uttar Pradesh, India -----</p> <p>7)Mr. Abhijit Kumar Address of Applicant :Assistant Professor, Department of Computer Science, Noida Institute of Engineering and Technology, Greater Noida, Uttar Pradesh, India -----</p> <p>8)Mr. Pradeep Kumar Tiwari Address of Applicant :Assistant Professor, Department of Computer Applications, Dayanand Academy of Management Studies, Govind Nagar, Kanpur, Uttar Pradesh, India -----</p> <p>9)Ms. Nidhi Sharma Address of Applicant :Associate Professor, Department of Management, Integrated Academy of Management and Technology, Ghaziabad, Uttar Pradesh, India -----</p> <p>10)Ms. Arpita Singh Address of Applicant :Assistant Professor, Department of Computer Applications, Integrated Academy of Management and Technology, Ghaziabad, Uttar Pradesh, India -----</p> |
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(57) Abstract :

A system and method for relation extraction from financial news using pattern matching and bootstrapping is disclosed. The system and method leverage natural language processing techniques to extract relationships between financial entities mentioned in news articles. The system uses a combination of pattern matching and bootstrapping to identify relevant patterns in the text and iteratively refine the accuracy of the extracted relationships. The extracted relationships can be used to generate insights for financial analysts and investors.

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