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(57) Abstract:

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The system in the present disclosure is a sophisticated platform that revolutionizes the way messaging conversations are indexed (104) and organized. In the context of ever-increasing communication volumes and complexities, traditional indexing (104) methods fall short in providing efficient information retrieval and contextual understanding. To address these challenges, the system leverages the power of Natural Language Processing (NLP) and Artificial Intelligence (AI) techniques to intelligently index (104) messaging conversations. The system begins by collecting messaging conversations from diverse sources, including chat platforms, email clients, and social media channels. Through a comprehensive preprocessing phase, the data is cleaned, pre-processed and using cutting-edge NLP algorithms (112), the system performs semantic analysis to decipher the meaning and intent behind the messages, going beyond mere keyword matching. Utilizing advanced topic modeling and clustering techniques, the system identifies main topics and themes within the conversations and the creation of a multi-level hierarchical structure which allows users to navigate through conversations seamlessly, gaining insights into broader topics and exploring specific subtopics

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