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(54) Title: ENTITY LINKING USING A GRAPH NEURAL NETWORK

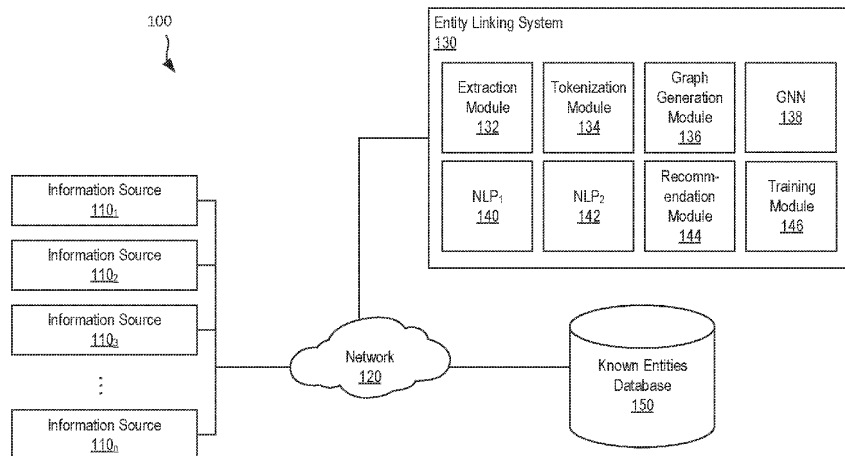


FIG. 1

(57) Abstract: Entity linking using a graph neural network is disclosed. Entity linking can include tokenizing an unknown name, tokenizing a known name from a set of known names, identifying a candidate from the set of known names, and generating a tripartite graph. The tripartite graph can include a first layer node corresponding to the unknown name, second layer nodes corresponding to words of the known name and the candidate, and a third layer node corresponding to the candidate. The method can further include assigning the unknown name to one of the known names by applying the tripartite graph to a graph neural network model.

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