

ABSTRACT

In a described embodiment a system for information processing is provided. The system includes an interface module configured to receive input information. The system further
5 includes an input processing module configured to process the received input information and an analysis module configured to determine semantics of the processed input information, extract semantic vectors from the processed input information, and calculate similarity between the extracted semantic vectors and semantic vectors associated with predetermined response information. A database is provided for storing the predetermined response
10 information and the associated semantic vectors. A response processing module is configured to determine whether the calculated similarity meets a threshold value, generate output information based on the predetermined response information when the threshold value is met, and generate output information using a predetermined language model when the threshold value is not met. An update module is configured to update the database with the
15 output information generated based on the predetermined response information or using the predetermined language model.

Figure 1