

ABSTRACT

Automatic detection of intention of natural language input text

According to one aspect of the invention, there is provided a platform for processing natural language input text, the platform configured to parse an input string into constituent components; categorise each of the constituent components through context with respect to other constituent components; identify, from the categorised constituent components, components that are activity related; validate a first hypothesis that determines which of the activity related components provides an intention of the input string from analysing the constituent components used to support the hypothesis, together with their placement relative to the activity-related component; identify, from the categorised constituent components, noun components; validate a second hypothesis that determines which of the noun components provides a target of the intention from analysing the constituent components used to support the second hypothesis, together with their placement relative to the noun component; and extract the activity related component that provides the intention of the input string and the noun component that provides the target of the intention, so as to construct the intention of the input string.

Figure 4