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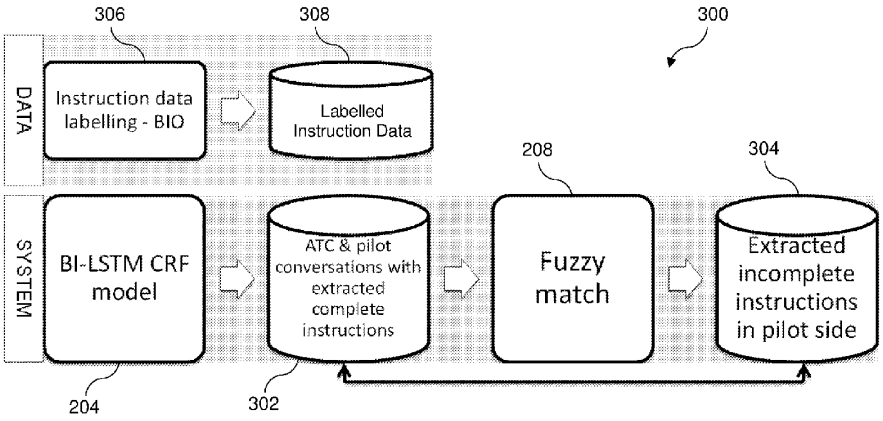


Fig. 3

(57) Abstract: A method and apparatus for extracting commands between a controller and an operator, the method comprising: receiving a command and a response to the command; extracting an instruction from the command using a trained neural network model that processes text in a bidirectional manner; comparing the extracted instruction from the command and the response to the command to find text that is similar; and extracting text in the response to the command found to be most similar to the text in the extracted instruction of the command, wherein a fuzzy matching algorithm is used for comparing the extracted instruction of the command and the response to the command to find text that is similar, wherein the fuzzy matching algorithm compares a span of the extracted instruction of the command with a span of the response to the command and calculates a similarity score for the two compared spans.

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