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(54) Title: A SYSTEM AND METHOD FOR INCREMENTAL LEARNING IN MACHINE TRANSLATION

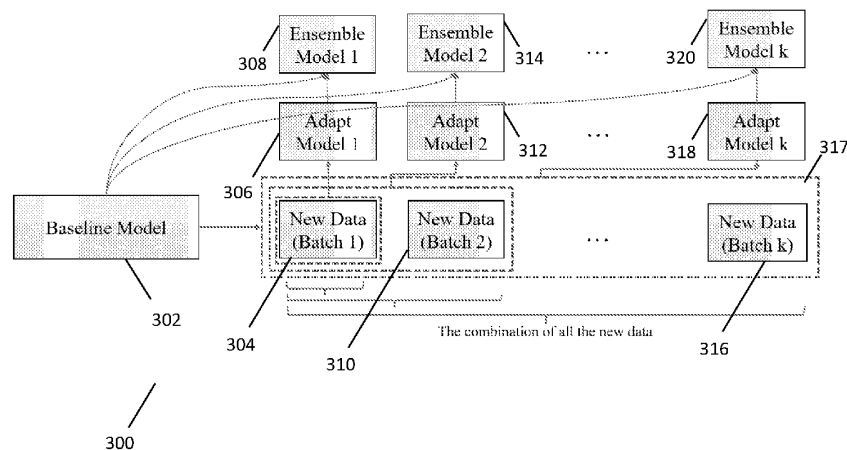


FIG. 3

(57) Abstract: A system and a method for incremental learning in machine translation may be provided, the system comprises an input module for obtaining a source language input to be translated into a target language output; an ensemble model module coupled to the input module, the ensemble model module comprising a baseline model trained using a first dataset, the baseline model arranged to receive the source language input to generate a baseline model target language output with associated one or more baseline model probability scores; at least one first adapted model trained using a second dataset, the second dataset being smaller than the first dataset, the at least one first adapted model arranged to receive the source language input to generate a first adapted model target language output with associated one or more first adapted model probability scores; and a determination module coupled to the ensemble model module for receiving the one or more baseline model probability scores and the one or more first adapted model probability scores, the determination module arranged to generate a system target language output based on the received one or more baseline model probability scores and the received one or more first adapted model probability scores.

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