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(71) Applicant: AGENCY FOR SCIENCE TECHNOLOGY
AND RESEARCH [SG/SG]; 1 Fusionopolis Way #20-10
Connexis North, Singapore 138632 (SG).

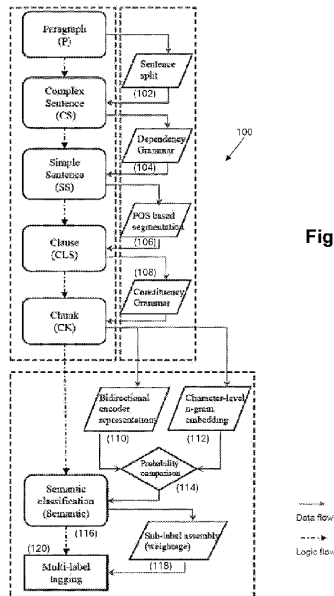
(72) Inventors: LIN, Mingyan Simon; 2 Fusionopolis Way
#08-04 Innovis (SG). WEN, Rong; 2 Fusionopolis Way
#08-04 Innovis, Singapore 138634 (SG). AUNG, Myo
Zarni; 2 Fusionopolis Way #08-04 Innovis, Singapore
138634 (SG). CAO, Zhiguang; 2 Fusionopolis Way #08-04
Innovis, Singapore 138634 (SG).

(74) Agent: CHANG, Jian Ming, Rodyk IP, 80 Raffles Place
#32-01 UOB Plaza 1, Singapore, 048624 (SG).

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(54) Title: METHOD AND APPARATUS FOR MULTI-LABEL TEXT CLASSIFICATION



(57) Abstract: Method and apparatus for multi-label text classification, the method comprising: receiving text input; splitting the text input into one or more sentences; process the one or more sentences to obtain one or more text chunks using one or more grammar models; inputting one or more text chunks to a multi-label text classification model comprising a supervised learning model for text classification and a pre-trained language model to predict labels for the one or more text chunks; comparing probabilities of the predicted labels to obtain one or more predicted labels having predefined probability values.

Declarations under Rule 4.17:

- *as to the identity of the inventor (Rule 4.17(i))*
- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*
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