Title (en)

SYSTEMS AND METHODS FOR ADAPTIVE PROPER NAME ENTITY RECOGNITION AND UNDERSTANDING

Title (de)

SYSTEME UND VERFAHREN ZUR ADAPTIVEN ERKENNUNG UND ZUM VERSTEHEN ORDNUNGSGEMÄSSER NAMENSENTITÄTEN

Title (fr)

SYSTÈMES ET PROCÉDÉS POUR LA RECONNAISSANCE ET LA COMPRÉHENSION ADAPTATIVES D'ENTITÉS DE NOMS PROPRES

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Application

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Abstract (en)

[origin: WO2018053502A1] Various embodiments contemplate systems and methods for performing automatic speech recognition (ASR) and natural language understanding (NLU) that enable high accuracy recognition and understanding of freely spoken utterances which may contain proper names and similar entities. The proper name entities may contain or be comprised wholly of words that are not present in the vocabularies of these systems as normally constituted. Recognition of the other words in the utterances in question, e.g. words that are not part of the proper name entities, may occur at regular, high recognition accuracy. Various embodiments provide as output not only accurately transcribed running text of the complete utterance, but also a symbolic representation of the meaning of the input, including appropriate symbolic representations of proper name entities, adequate to allow a computer system to respond appropriately to the spoken request without further analysis of the user's input.

IPC 8 full level

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