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(71) Applicant: **INTERNATIONAL BUSINESS MACHINES CORPORATION** [US/US]; New Orchard Road, Armonk, New York, 10504 (US).

(71) Applicants (for MG only): **IBM UNITED KINGDOM LIMITED** [GB/GB]; PO Box 41, North Harbour, Portsmouth Hampshire PO6 3AU (GB). **IBM (CHINA) INVESTMENT COMPANY LIMITED** [CN/CN]; 25/F, Pangu Plaza, No. 27, Cental North 4th Ring Road, Chaoyang District, Beijing 100101 (CN).

(72) Inventors: **NOEL, Marco**; IBM Canada, 140 Grande-Allee East, Fifth Floor, Quebec City, Québec G1R5N6 (CA). **FREED, Andrew**; IBM Corporation, 4205 South Miami Boulevard, Durham, North Carolina 27703-9141 (US). **POVAR, Victor**; IBM Canada, 4611 Canada Way, Burnaby, British Columbia V5G4X3 (CA). **KILMON, Shane, Michael**; IBM Corporation, 550 King Street, Littleton, Massachusetts 01460-1250 (US).

(54) Title: SPEECH RECOGNITION AND TRAINING FOR DATA INPUTS

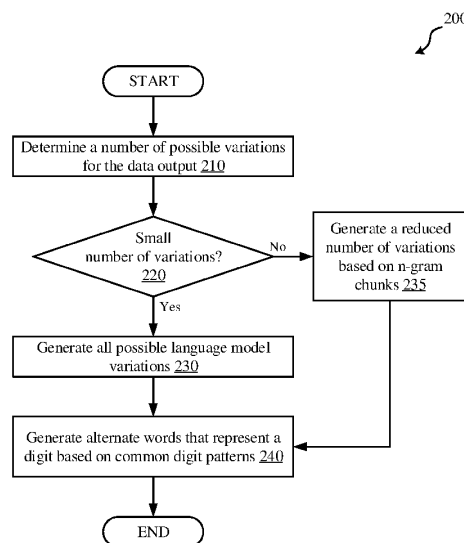


FIG. 2

(57) Abstract: A method, system, and computer program product for recognizing, and training to recognize, alphanumeric speech data inputs. The method may include segmenting a data input into a sequential n-gram chunks based on a predetermined rule, where the data input is received through speech recognition. The method may also include receiving metadata regarding characteristics of the data input. The method may also include generating a language model based on the metadata. The method may also include generating a first set of language model variations of the data input. The method may also include training the language model based on at least the first set of language model variations. The method may also include generating one or more alternatives for the data input using the trained language model. The method may also include transmitting an output including the one or more alternatives for the data input.

[Continued on next page]

(74) **Agent: GRAHAM, Timothy;** IBM United Kingdom Limited, Intellectual Property Law, Hursley Park, Hursley, Winchester Hampshire SO21 2JN (GB).

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