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(71) Applicant: **VISA INTERNATIONAL SERVICE ASSOCIATION** [US/US]; P.O. Box 8999, San Francisco, California 94128 (US).

(72) Inventors: **ZHENG, Yan**; 20700 Hillside Dr., Los Gatos, California 95033 (US). **YEH, Michael**; 36012 Burning Tree Dr., Newark, California 94560 (US). **WANG, Junpeng**; 655 S Fair Oaks Ave., Apt E111, Sunnyvale, California 94086 (US). **ZHANG, Wei**; 4764 Mendocino Terrace, Fremont, California 94555 (US). **WANG, Liang**; 1600 Mission Springs Circle, San Jose, California 95131 (US). **YANG, Hao**; 2046 Wendover Lane, San Jose, California

95121 (US). **ABOAGYE, Prince, Osei**; 1255 East 200 South, Apt.10, Salt Lake City, Utah 84102 (US).

(74) Agent: **PREPELKA, Nathan J.** et al.; The Webb Law Firm, One Gateway Center, 420 Ft. Duquesne Blvd., Suite 1200, Pittsburgh, Pennsylvania 15222 (US).

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(54) Title: METHOD, SYSTEM, AND COMPUTER PROGRAM PRODUCT FOR NORMALIZING EMBEDDINGS FOR CROSS-EMBEDDING ALIGNMENT

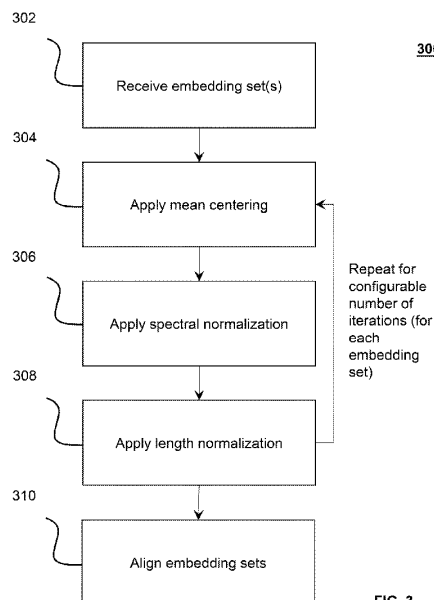


FIG. 3

(57) Abstract: Provided is a method for normalizing embeddings for cross-embedding alignment. The method may include applying mean centering to the at least one embedding set, applying spectral normalization to the at least one embedding set, and/or applying length normalization to the at least one embedding set. Spectral normalization may include decomposing the at least one embedding set, determining an average singular value of the at least one embedding set, determining a respective substitute singular value for each respective singular value of a diagonal matrix, and/or replacing the at least one embedding set with a product of the at least one embedding set, a right singular vector, and an inverse of the substitute diagonal matrix. The mean centering, spectral normalization, and/or length normalization may be iteratively repeated for a configurable number of iterations. A system and computer program product are also disclosed.

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