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(71) **Applicant**: **HALOZYME, INC.** [US/US]; 11388 Sorrento Valley Road, San Diego, CA 92121 (US).

(72) **Inventors**: **JIANG, Ping**; 12025 World Trade Dr. #1, San Diego, CA 92128 (US). **SHEPARD, H., Michael**; 8124 Montrose Way, San Diego, CA 92122 (US). **HUANG, Lei**; 3683 Caminito Carmel Landing, San Diego, CA 92130 (US).

(74) **Agents**: **SEIDMAN, Stephanie, L.** et al.; MCKENNA LONG & ALDRIDGE LLP, 4435 Eastgate Mall, Suite 400, San Diego, CA 92121 (US).

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(54) **Title**: COMPANION DIAGNOSTIC FOR ANTI-HYALURONAN AGENT THERAPY AND METHODS OF USE THEREOF

(57) **Abstract**: Methods and diagnostic agents for identification of subjects for cancer treatment with an anti-hyaluronan agent, such as a hyaluronan-degrading enzyme, are provided. Diagnostic agents for the detection and quantification of hyaluronan in a biological sample and monitoring cancer treatment with an anti-hyaluronan agent, for example a hyaluronan-degrading enzyme, are provided. Combinations and kits for use in practicing the methods also are provided.