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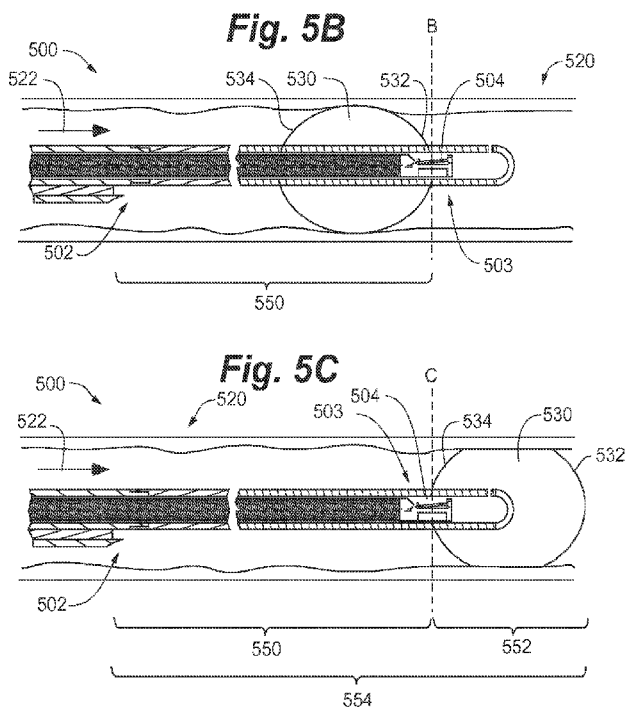
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- (72) Inventors: WILSON, Robert, F.; 3107 W. Owasso Blvd., Roseville, MN 55113 (US). MILLER, Edward, R.; 8675 Black Maple Drive, Eden Prairie, MN 55344 (US). NYS-TROM, Sidney, Donald; 996 Gen Paul Court, Shoreview, MN 55126 (US). WATERS, Kendall, R.; 442 Fontonett Avenue, Livermore, CA 94550 (US). (74) Agents: HIPKINS, Thomas, R. et al.; Fredrikson & Byron, P.A., 200 South Sixth Street, Suite 4000, Minneapolis, MN 55402-1425 (US). (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU,

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(54) Title: FLUID FLOW MEASUREMENT SYSTEMS AND METHODS



(57) Abstract: This disclosure provides systems and methods for measuring fluid flow in a vasculature system of a patient. Some systems may include an injection system configured to inject a bolus of fluid into a vessel of a patient. Some systems may include a measurement engine configured to monitor the bolus of fluid in the vessel using measurement data generated by an intravascular measuring device. The measurement engine may determine a travel distance of the bolus of fluid and an elapsed time during which the bolus of fluid traversed the travel distance based on the measurement data. A fluid flow rate (e.g., velocity, volumetric flow) of the vessel may be calculated using the travel distance and the elapsed time.

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