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(71) Applicant: LANDMARK GRAPHICS CORPORATION [US/US]; 2107 City West Blvd., Bldg. 2, Houston, Texas 77042 (US).

(72) Inventors: SAMUEL, Robello; 11306 Dawnheath Dr., Cypress, Texas 77433 (US). ANIKET, Aniket; 3003 Seagler Road, Apt. # 2209, Houston, Texas 77042 (US).

(74) Agents: RAJ, Vinu et al.; Haynes and Boone, LLP, 2323 Victory Avenue, Suite 700, Dallas, Texas 75219 (US).

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(54) Title: ESTIMATION AND MONITORING OF CASING WEAR DURING A DRILLING OPERATION USING CASING WEAR MAPS

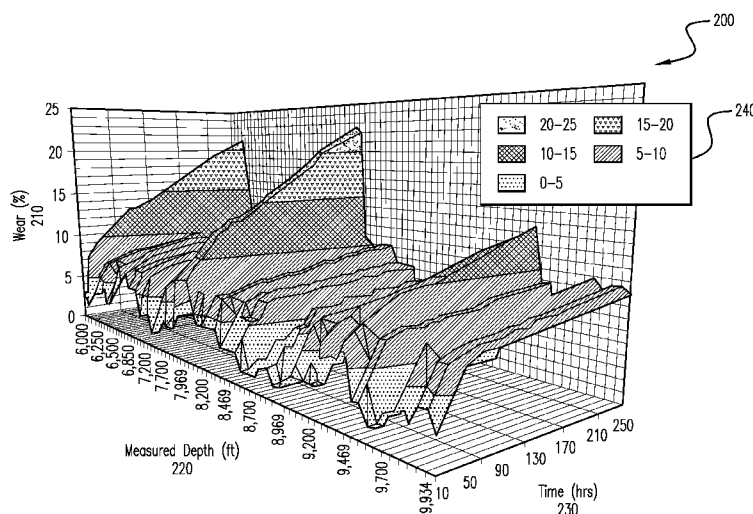


FIG. 2

(57) Abstract: System and methods for monitoring casing wear for a well during a drilling operation are provided. Casing design parameters for a planned well are determined during a planning phase of the drilling operation. A wear factor along a length of the planned well is computed based on the casing design parameters. A casing wear map is generated based on the computed wear factor along the length of the planned well relative to one or more of the casing design parameters. The generated casing wear map is visualized via a display of a computing device. The visualized casing wear map enables a user of the computing device to estimate casing wear for the planned well and determine an appropriate casing design for the planned well based on the estimated casing wear.