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- (71) **Applicant: HALLIBURTON ENERGY SERVICES, INC.** [US/US]; 3000 N. Sam Houston Parkway E., Houston, Texas 77032-3219 (US).
- (72) **Inventor: PIHL, Joachim Alexander;** Kathrinestien 2, 3208, Sandefjord (NO).
- (74) **Agent: PEACOCK, Gregg A.;** Delizio, Peacock, Lewin & Guerra, PLLC, 15201 Mason Road, Suite 1000-312, Cypress, TX 77433 (US).

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(54) **Title:** MULTIPHASE POWER TRANSFER IN INDUCTIVE COUPLERS

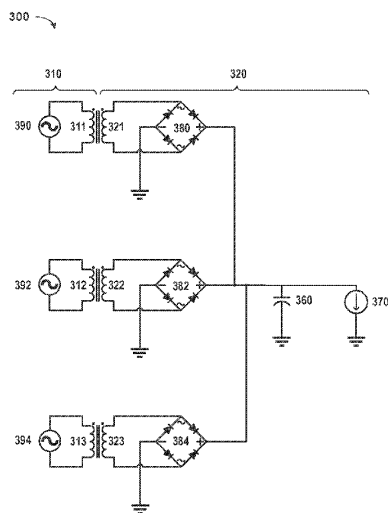


FIG. 3A

(57) **Abstract:** Systems and methods for multiphase power transfer in inductive couplers are provided. A system can include a first tubular having a first inductive coupler disposed on an outer surface thereof; a second tubular circumferentially disposed around the first tubular and forming an annulus therebetween; a second inductive coupler disposed on the second tubular; a first rectifier coupled to the second inductive coupler; a tank capacitor coupled to the first rectifier; and a load coupled in parallel with the tank capacitor.



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