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(54) Title: POWER GENERATOR INTEGRATED WITH BEARING

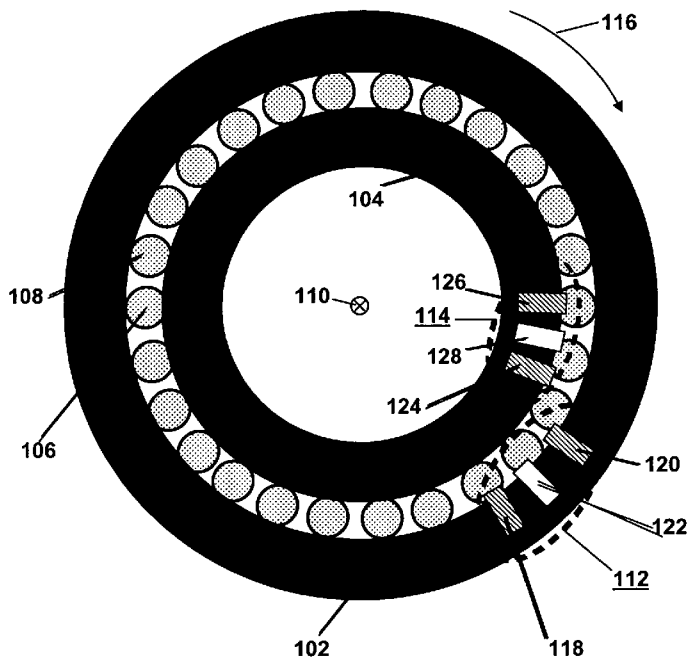


Fig.1

(57) Abstract: A bearing has a first ring (102) and a second ring (104) configured for coaxial rotation with respect to each other, and a generator for generating electric power in operational use of the bearing. The generator has a first arrangement (112) mounted in a fixed position with respect to the first ring, and a second arrangement (114) mounted in a fixed position with respect to the second ring. Each of the first arrangement and the second arrangement comprises one or more coils (122, 128) and one or more magnets (118, 120, 124, 126) arranged in a circumferential direction (116) of the rings. The generator is therefore configured to supply power to circuitry mounted so as to be stationary with a ring.



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