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(54) UREĐAJ ZA ISPITIVANJE PRENOSA SNAGE PREKO GIPKOG VRATILA I EKSCENTRIČNOG ROTORA

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(57) Pronalazak, uređaj za ispitivanje prenosa snage preko gipkog vratila i ekscentričnog rotora, koji se sastoji iz postolja (1) na kojem su postavljeni elektromotor (19) sa napravama (17, 18) za merenje napona i jačine struje i elektrogenerator (4) sa napravama (2, 3) za merenje napona i jačine struje, pri čemu su im vratila (16,5) okrenuta jedno prema drugom, a ose kolinearne.

Na vratilo (16) navučena je i pomoću vijka (15) čvrsto spojena cilindrična spojnica (14) na čiji je drugi kraj pomoću vijka (13) čvrsto spojeno gipko vratilo (12), čiji je drugi kraj pomoću vijka (11) čvrsto spojen sa drugom cilindričnom spojnicom (10) koja se sa druge strane navučena na osovinicu (8) i čvrsto spojena vijkom (9), pri čemu su oba spoja kolinearna i ekscentrična u odnosu na osu spojnice (10). Osovinica (8) drugim krajem uvučena je u otvor u spojnici (7) koja je izbušena ekscentrično u odnosu na njenu osu, a sa druge strane spojnica (7) navučena je na vratilo (5) elektrogeneratora (4) i čvrsto spojena pomoću vijka (6). Uređaj se može koristiti kao zaštita elektromotora od preopterećenja.

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(54) DEVICE FOR TESTING TRANSMISSION OF POWER BY A FLEXIBLE SHAFT AND AN ECCENTRIC ROTOR

(57) Device for testing transmission of loading by a flexible shaft and an eccentric rotor, comprises a foundation (1) whereon are set electric motor (19) having instruments (17, 18) to measure voltage, intensity of electric current and electric generator (4) having instruments (23) for measuring the voltage and intensity of electric current where the shaft (16) and (5) are turned one to the other, and the axis thereof are collinear. On the shaft (16) is drawn by means of a screw (15) and firmly fixed a cylindrical coupling (14) at the other ending of which by means of a screw (13) is firmly coupled a flexible shaft (12), the other ending of which by means of a screw (11) is firmly coupled to the other cylindrical coupling (10) that is from the other side drawn into an aperture in a coupling (7) that is eccentrically drawn in relation to axis thereof, and from the other side the coupling (7) is drawn onto a shaft (5) of electric generator (4) and firmly coupled by means of a screw (6). Device may be used as a protection of electric motor from overload.

