

POWER RECEIVING EQUIPMENT

ABSTRACT

Power receiving equipment includes: a three-phase transformer in which at least secondary windings are delta-connected; and a plurality of balancers each of which has a first winding and a second winding wound around an iron core. The first winding and the second winding are connected in series to generate magnetic fluxes whose directions coincide with each other. The balancers are connected between output terminals of respective phases on a secondary winding side of the three-phase transformer respectively, while electric power is supplied to a three-phase load and single-phase loads. The three-phase load is connected to the respective phases on the secondary winding side of the three-phase transformer. The single-phase loads are connected in parallel to at least one of the first and second windings of each of the balancers. In this manner, it is possible to provide three-phase power receiving equipment which can suppress generation of noise due to a third harmonic component or the like, and which can use a light-weight and space-saving type power transformer.

Fig. 2