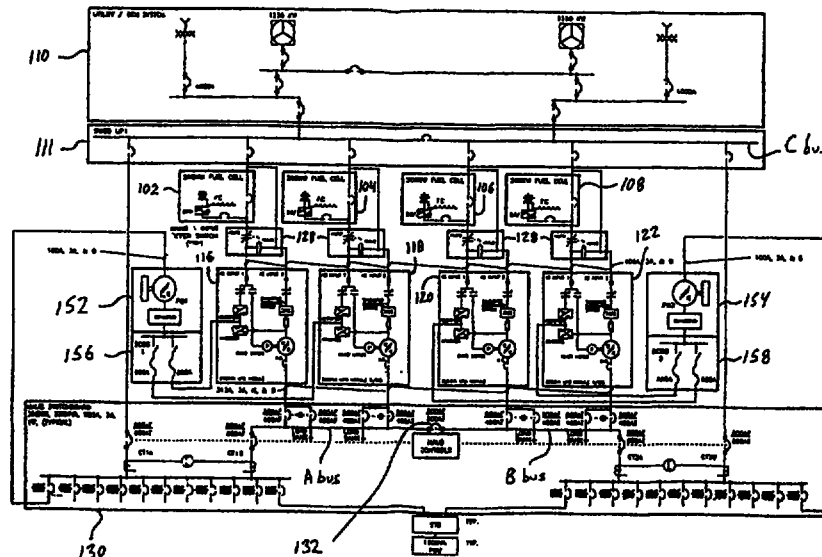


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(54) Title: POWER SYSTEM



(57) Abstract

An exemplary embodiment of the invention is a power system for providing power to a critical load. The system includes a first power source (102, 104, 106, 108) producing sufficient power to supply the critical load (114), and a second power source (110), independent of the first power source. The second power source (110) provides sufficient power to supply to the critical load. The system also includes a rotary device (152) having a first power input circuit (AC input 1) and a second power input circuit (AC input 2). The second power source (110) is coupled to the rotary device (152) at the second power input circuit (AC input 2). A transfer switch (128) selectively couples the first power source (102, 104, 106, 108) to the first power input circuit (AC input 1) and the second power input circuit (AC input circuit 2).