

ABSTRACT

POWER AMPLIFIER POWER SUPPLY CIRCUIT AND COMMUNICATION APPARATUS

This application discloses a power amplifier power supply circuit and a communication apparatus, and relates to the communication field, to improve work efficiency of a power component. The power amplifier power supply circuit includes a first power supply circuit and a second power supply circuit that are connected in parallel, where the first power supply circuit and the second power supply circuit jointly supply power to a power amplifier by using a power supply end of the power amplifier. The second power supply circuit is configured to adjust a power supply voltage of the power amplifier at a symbol level. Power supply voltages output by the second power supply circuit and the first power supply circuit change based on a change of an envelope signal output by the power amplifier.

[Figure 2]