

ABSTRACT

POWER CONVERSION DEVICE AND AIR CONDITIONER

5 A power conversion device according to the present invention includes a first AC-DC conversion section 23 generating DC voltage applied to a compressor drive section 25, a first DC-voltage smoothing section 24 smoothing DC voltage, a first noise reduction section 11 having one end
10 connected to an AC power source 1 and the other end connected to the first AC-DC conversion section 23, a second noise reduction section 12 disposed between the first noise reduction section 11 and the first AC-DC conversion section 23, an inrush-current inhibition circuit
15 (a first inrush-current inhibition resistor 21B and a rectifier diode 21C) connected in parallel with the second noise reduction section 12 and the first AC-DC conversion section 23 for inhibiting inrush current from flowing to the first DC-voltage smoothing section 24, a first AC
20 power-source relay 21 opening/closing a power supply path to the inrush-current inhibition circuit, and a second AC power-source relay 22 opening/closing a power supply path to the second noise reduction section 12.

25 FIG. 1