

ABSTRACT OF THE DISCLOSURE

High EER Air Conditioning Apparatus with Special Heat Exchanger

A high EER air conditioning apparatus includes a working medium circulation system consisting of a condensing portion, an evaporating
5 portion, a compressor, an expansion valve and a water pump for supplying water to the condensing/evaporating portion, wherein a working medium which is circulated in the circulation system has a continuously heat-absorbing process in the evaporating portion, a compression and temperature-increasing process in the compressor, a
10 continuously heat-releasing process under a high pressure in the condensing portion, and an expansion and temperature-decreasing process in the expansion valve.

Fig.1