

Title (en)  
CONTROL METHOD AND DEVICE FOR HEAT PUMP WATER HEATER

Title (de)  
STEUERUNGSVERFAHREN UND -VORRICHTUNG FÜR WÄRMEPUMPENWASSERERHITZER

Title (fr)  
PROCÉDÉ ET DISPOSITIF DE COMMANDE POUR CHAUFFE-EAU À POMPE À CHALEUR

Publication  
**EP 4206556 A4 20240228 (EN)**

Application  
**EP 21859994 A 20210722**

Priority  
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• CN 2021107990 W 20210722

Abstract (en)  
[origin: EP4206556A1] A control method for a heat pump water heater, a controller and a water heater. The water heater includes a first condenser (21) and a second condenser (22) disposed one above the other along a water tank (1), a refrigerant outlet of the first condenser (21) is connected to a refrigerant inlet of the second condenser (22) through a first refrigerant branch pipe (31), the first refrigerant branch pipe (31) is provided with a regulating valve (311), the refrigerant inlet of the second condenser (22) is further connected to a refrigerant gross pipe (30) through a second refrigerant branch pipe (32), and the second refrigerant branch pipe (32) is provided with a switch valve (321). The controller is communicatively connected to the regulating valve (311) and the switch valve (321) respectively.

IPC 8 full level  
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CPC (source: CN EP)  
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Citation (search report)  
• [X] CN 110906589 A 20200324 - QINGDAO HAIER NEW ENERGY ELECTRIC APPLIANCE CO LTD, et al  
• [Y] CN 110986436 A 20200410 - QINGDAO HAIER NEW ENERGY ELECTRIC APPLIANCE CO LTD, et al  
• [Y] CN 105588331 A 20160518 - HISENSE (SHANDONG) AIR-CONDITIONING CO LTD  
• See also references of WO 2022042154A1

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