

Title (en)  
METHOD AND APPARATUS FOR CONTROLLING REFRIGERATION DEVICE, COMPUTER DEVICE, AND COMPUTER READABLE MEDIUM

Title (de)  
VERFAHREN UND VORRICHTUNG ZUR STEUERUNG EINER KÜHLVORRICHTUNG, COMPUTERVORRICHTUNG UND  
COMPUTERLESBARES MEDIUM

Title (fr)  
PROCÉDÉ ET APPAREIL DE COMMANDE DE DISPOSITIF DE RÉFRIGÉRATION, DISPOSITIF INFORMATIQUE, ET SUPPORT LISIBLE PAR  
ORDINATEUR

Publication  
**EP 4166862 A4 20240626 (EN)**

Application  
**EP 21821753 A 20210610**

Priority  
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Abstract (en)  
[origin: EP4166862A1] Provided in the present disclosure is a method for controlling a refrigeration device, comprising: determining a current outdoor temperature; inputting same-period historical sample data of the refrigeration device load and preset impact factors as first input parameters into a first neural network model to obtain the current day predicted load of the refrigeration device; inputting same-period historical sample data of the outdoor temperature and the current day predicted load of the refrigeration device as second input parameters into a second neural network to obtain a current day predicted indoor temperature; inputting the current day predicted indoor temperature and a preset refrigeration efficiency factor as third input parameters into a third neural network to obtain current day optimum control parameters of the refrigeration device; and, on the basis of the optimum control parameters, controlling the operation of the refrigeration device. Also provided in the present disclosure are an apparatus for controlling the refrigeration device, a computer device, and a computer readable storage medium.

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• [A] US 10584892 B2 20200310 - SASAKI TAIJI [JP], et al  
• See also references of WO 2021249461A1

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