

Title (en)

COOLING METHOD AND COOLING DEVICE FOR MEMBER TO BE COOLED

Title (de)

KÜHLVERFAHREN UND KÜHLVORRICHTUNG FÜR ZU KÜHLENDES ELEMENT

Title (fr)

PROCÉDÉ DE REFROIDISSEMENT ET DISPOSITIF DE REFROIDISSEMENT POUR ÉLÉMENTS À REFROIDIR

Publication

**EP 4049764 A1 20220831 (EN)**

Application

**EP 20880100 A 20201014**

Priority

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Abstract (en)

The present invention relates to a method for cooling a member to be cooled by using a cooling device, the cooling device including: a plurality of spray nozzles, each of which sprays a droplet group onto a heated member to be cooled to cool the member to be cooled; a spray adjustment unit; and a control unit configured to control spray of droplets. The control unit sprays the droplet group in a pulse shape and repeats pulse spray according to a set value, and controls the spray of the droplet group. The droplet group is repeatedly sprayed in the pulse shape onto the heated member to be cooled to cool the member to be cooled, and at least one of a magnitude of a pulse, a pulse width, and a pulse interval is changed over time.

IPC 8 full level

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