



(57) **Abrégé(suite)/Abstract(continued):**

the cooling plate in an exposed state, a flow-in part extending from the introducing port to an intermediate position between the introducing port and the discharging port in the cooling plate, and a flow-out part extending along the flow-in part from the intermediate position to the discharging port such that flow-out part is separated from the flow-in part. Heat generating elements are disposed along the circulating conduit at an intermediate portion between a flow-in part corresponding portion and a flow-out part corresponding portion, both corresponding to the flow-in part and flow-out part of the circulating conduit, on the outer surface of the cooling plate.

