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Shih et al.(10) **Pub. No.: US 2023/0232577 A1**(43) **Pub. Date: Jul. 20, 2023**(54) **WATER COOLING RADIATOR**(71) Applicant: **Cooler Master Co., Ltd.**, Taipei City
(TW)(72) Inventors: **Shun-yu Shih**, Taipei City (TW);
Tsung-wei Lin, Taipei City (TW)(21) Appl. No.: **18/094,425**(22) Filed: **Jan. 9, 2023**(30) **Foreign Application Priority Data**

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(57)

ABSTRACT

A water cooling radiator includes a first radiator having a liquid tank, first liquid return tank, first inlet radiator portion, and first outlet radiator portion. The first inlet radiator portion is adjacent to the first outlet radiator portion and both are between the liquid tank and first liquid return tank. The first inlet radiator portion includes at least one first inlet pipe thermally coupled to at least one first inlet heat dissipating fin. The first outlet radiator portion includes at least one first outlet pipe thermally coupled to at least one first outlet heat dissipating fin. A first inlet temperature of a liquid coolant at a first inlet fluid input end is greater than a first return temperature of the liquid coolant at a first outlet fluid input end. A pitch measurement of a first inlet fin pitch is greater than a pitch measurement of a first outlet fin pitch.

