

Title (en)
HEAT EXCHANGER

Title (de)
WÄRMETAUSCHER

Title (fr)
ÉCHANGEUR THERMIQUE

Publication
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Application
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Abstract (en)
[origin: US2010212876A1] A heat exchanger has a first fin having a hole, a collar attached to the first fin and associated with the hole, and a bluff body carried by the first fin. The bluff body is partially directly upstream of the collar. A heat exchanger has a fin having a hole, a collar attached to the fin and associated with the hole, and a bluff body associated with the fin. A configuration of the bluff body is associated with a fin pitch separation distance of the heat exchanger. A method of increasing a heat exchange efficiency of a heat exchanger is provided that includes passing an air flow adjacent a surface of a fin, obstructing the air flow with a bluff body, reducing a thickness of a thermal boundary layer, and locating a reduced thickness portion of the thermal boundary layer adjacent to a collar associated with the fin.

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