

Euler's Technology for Cooling of Fluid II
(尤拉降溫 技術 II)
(Mechanism for cooling down of fluid using EDM III/II technologies)

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Inventor: Euler Cheung

Background/Development of Idea:

Could we also use the EDMIII technique in aid of cooling down of a fluid as stated in EDC?

Summary & Discussion:

The processes and mechanisms are identical with EDC except we are using an elastic separator instead of inelastic separator. Inelastic separator has the additional function of absorbing the collision of the bombarding molecules. As bombarding molecules displace the molecules/atoms in the separator from its original place, an unbalanced intermolecular attraction and/or repulsion force is then acting on the molecular/atom which is being displaced, restoring the original location of that molecular. Thus thermal energy of the fluid is dissipated in the process competing against the intermolecular attraction/repulsion force(s) like that in EDMIII. A gradual cooling down effect is therefore achieved.

Claim: The system in its entirety with at least all its essential components each for the purpose stated above and together as a whole for the purpose of cooling down fluid without generating waste heat as a by-product.

Related Claims:

Applications:

Refrigerator
Air-conditioner

Advantages:

1. Low energy expenditure.

Technicalities:

1. Time required maybe longer.