

Title (en)

HEAT EXCHANGER STRUCTURE AND ISOTHERMAL COMPRESSION OR EXPANSION CHAMBER

Title (de)

WÄRMETAUSCHERSTRUKTUR UND KAMMER ZUR ISOTHERMEN KOMPRESSIION ODER EXPANSION

Title (fr)

STRUCTURE D'ECHANGEUR THERMIQUE ET CHAMBRE DE COMPRESSION OU DE DETENTE ISOTHERME

Publication

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Application

EP 09755950 A 20091001

Priority

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Abstract (en)

[origin: WO2010037980A1] The invention relates to a thermodynamic machine that includes at least one chamber (21) in which an isothermal expansion and/or compression is to be carried out, said chamber being longitudinally defined by first and second walls (23, 25) that are mobile relative to each other. The chamber (21) is divided by partitions (31, 33) extending longitudinally from each of the first and second walls, the partitions being interleaved within each other, and the distance between the partitions extending from a same wall being such that the ratio between the distance squared and the cycle duration of the thermodynamic machine is lower than the average thermal diffusivity of the gas contained in the chamber.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2010037980A1

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