

Title (en)

Heat extractor for the recovery of heat from flue gases.

Title (de)

Wärmetauscher zur Wärmerückgewinnung aus Abgasen.

Title (fr)

Echangeur de chaleur pour la récupération de la chaleur des gaz d'échappement.

Publication

EP 0027478 A1 19810429 (EN)

Application

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Priority

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Abstract (en)

The invention relates to a heat extractor for the recovery of heat from flue gases, such as the products of combustion from a central heating furnace, which heat extractor comprises a first impeller (2) or blower and a plurality of parallel tubes (1), around which a stream for example fresh air generated by the first impeller (2) flows in a direction transversely to the longitudinal axes (3) thereof. In the flue gases of a central heating system energy is lost as the flue gases are blown off in the free air as they still contain heat. By the use of tubes of a rectangular cross-section and a second impeller (4), which suck the flue gases through the tubes (1), the flue gases can be cooled down to room temperature.

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CPC (source: EP)

F28D 21/0008 (2013.01); **F28F 1/04** (2013.01); **F28F 2250/08** (2013.01)

Citation (search report)

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