

Title (en)

A method for heating the air in a building.

Title (de)

Verfahren zum Erwärmen der Luft in einem Gebäude.

Title (fr)

Procédé pour chauffer l'air dans un bâtiment.

Publication

EP 0536446 A1 19930414 (EN)

Application

EP 91202643 A 19911011

Priority

EP 91202643 A 19911011

Abstract (en)

A method for heating the air in a building having a counterflow roof (1) and a floor being designed as a radiation source. Exhaust air is extracted from the building during simultaneous energy exchange with outdoor air, such that this will be pre-heated by energy recovery from the exhaust air before it enters the building as supply air through the counterflow roof. Heat from the radiation source at the floor is used only as supplementary heat, i.e. for final controlling of the temperature of the air in the building. The exhaust air is extracted from the building via low velocity air terminal devices (13) at floor level. <IMAGE>

IPC 1-7

F24D 5/04; F24F 7/10

IPC 8 full level

F24D 5/00 (2006.01)

CPC (source: EP)

F24D 5/00 (2013.01)

Citation (search report)

- [YD] WO 9004135 A1 19900419 - ERICSSON GIVENT ROGER AB [SE]
- [A] EP 0317961 A2 19890531 - SCHONHAMMER JOHANN
- [Y] PATENT ABSTRACTS OF JAPAN vol. 8, no. 238 (M-335)(1675) 31 October 1984 & JP-A-59 115 925 (KAZUYOSHI OOSHITA) 4 July 1984

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