

Title (en)
Method for cooling supply air

Title (de)
Verfahren zur Kühlung von Zufuhrluft

Title (fr)
Procédé de refroidissement d'air d'alimentation

Publication
EP 2116780 A2 20091111 (EN)

Application
EP 09397510 A 20090402

Priority
FI 20085411 A 20080506

Abstract (en)
Method for cooling supply air in the cooling system of a building, in which method the cooling water in the main circulation circuit (2) is cooled with a cooling compressor (1), and in which method cooling water is taken to the cooling radiator (3) from the main circulation circuit (2) for cooling the supply air, and in which method cooling water is taken to the room unit, such as to the chilled beam network (4) from the main circulation circuit (2) and mixed to the desired temperature, e.g. approx. 15 °C. The invention is implemented such that in an operating situation the cooling water of the main circulation circuit (2) is cooled to a temperature of over 7 °C, preferably to a temperature of approx. 12 °C, and such that in an exceptional situation such as when the supply air is humid, the temperature of the room unit, such as of the chilled beam network (4), is raised higher to prevent condensation and at the same time the temperature of the water of the main circulation circuit (2) is reduced lower.

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Cited by
JP2013518235A; US9726442B2; US11090650B2

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