

Title (en)

Cooling system with low energy consumption

Title (de)

Kühlsystem mit niedrigem Energieverbrauch

Title (fr)

Système de refroidissement avec faible consommation d'énergie

Publication

EP 2426435 A2 20120307 (EN)

Application

EP 11004604 A 20110607

Priority

BE 201000354 A 20100611

Abstract (en)

Cooling installation (1) for low energy consumption, consisting of a primary cooling circuit (2) in which there is an object (4) to be cooled, a compressor (6a), a primary condenser (7) and a primary turbine (8a) that drives an electricity generator or is directly coupled to the primary compressor, characterised in that the primary condenser (7) is coupled to a secondary cooling circuit (3) that follows a Rankine cycle or a TFC (Trilateral Flash Cycle system), whereby heat from the primary cooling circuit (2) is utilised in the secondary cooling circuit (3) that contains a secondary turbine (8b) that is coupled to an electricity generator, or is directly coupled to the primary compressor, and further contains a secondary condenser (10) and a pressure pump (12).

IPC 8 full level

F25B 11/02 (2006.01)

CPC (source: EP)

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Cited by

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Designated extension state (EPC)

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