

Title (en)

SYSTEM AND METHOD TO INTEGRATE CONDENSED WATER WITH IMPROVED COOLER PERFORMANCE

Title (de)

SYSTEM UND VERFAHREN ZUR INTEGRATION VON KONDENSWASSER MIT VERBESSERTER KÜHLERLEISTUNG

Title (fr)

SYSTÈME ET PROCÉDÉ D'INTÉGRATION D'EAU CONDENSÉE À PERFORMANCE DE REFROIDISSEMENT AMÉLIORÉE

Publication

EP 3500810 A1 20190626 (EN)

Application

EP 17749784 A 20170727

Priority

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- US 2017044103 W 20170727

Abstract (en)

[origin: US2018051929A1] A method and system for cooling a process fluid is disclosed. An inlet air stream of a turbine is cooled with an inlet air cooling system. Moisture contained in the cooled inlet air stream is condensed and separated from the cooled inlet air stream to produce a water stream in an open-loop circuit. The water stream is sprayed into an air cooler air stream. The combined air cooler air stream and sprayed water stream is directed through an air cooler. Heat is exchanged between the process fluid and the combined air cooler air stream and sprayed water stream to thereby condense, chill, or sub-cool the process fluid.

IPC 8 full level

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CPC (source: EP KR US)

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Citation (search report)

See references of WO 2018034816A1

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Designated extension state (EPC)

BA ME

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