

Title (en)

ADVANCED LARGE SCALE FIELD-ERECTED AIR COOLED INDUSTRIAL STEAM CONDENSER

Title (de)

FORTSCHRITTLICHER GROSSRAUMLUFTGEKÜHLTER INDUSTRIEDAMPFKONDENSATOR

Title (fr)

CONDENSEUR DE VAPEUR INDUSTRIEL AVANCÉ REFROIDI PAR AIR MONTÉ SUR LE TERRAIN À GRANDE ÉCHELLE

Publication

EP 4028706 A4 20230920 (EN)

Application

EP 20863838 A 20200312

Priority

- US 201962900195 P 20190913
- US 201962902521 P 20190919
- US 201962928116 P 20191030
- US 201962946039 P 20191210
- US 202016796200 A 20200220
- US 202016815862 A 20200311
- US 2020022259 W 20200312

Abstract (en)

[origin: WO2021050105A1] Large scale field erected air cooled industrial steam condenser having heat exchanger panels independently loaded into and supported in a heat exchange frame section. A bottom bonnet runs along the bottom length of each heat exchanger panel for delivering steam to the bottom end of condenser tubes in the heat exchange panel and for receiving condensate formed in those same tubes. The tops of the tubes are connected to a top bonnet. Uncondensed steam and non-condensables are drawn into the top bonnet from the condenser tubes. A steam distribution manifold is suspended from the heat exchange section frame perpendicular to the longitudinal axis of the heat exchange panels and beneath a center point of the heat exchange panels and delivers steam to each heat exchange panel via a single steam inlet located at a center point of each bottom bonnet.

IPC 8 full level

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CPC (source: EP KR)

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Citation (search report)

- [XYI] US 2017363357 A1 20171221 - BUGLER TOM [US], et al
- [XYI] US 2017363358 A1 20171221 - BUGLER III THOMAS W [US], et al
- [YA] US 2019128614 A1 20190502 - BULTOT THIERRY [BE], et al
- [A] US 3707185 A 19721226 - MODINE ARTHUR B, et al

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

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DOCDB simple family (application)

US 2020022259 W 20200312; AU 2020347054 A 20200312; BR 112022004589 A 20200312; CA 3154277 A 20200312; CN 202080074669 A 20200312; EP 20863838 A 20200312; JP 2022516242 A 20200312; KR 20227011551 A 20200312; MX 2022003073 A 20200312; ZA 202204165 A 20220412