

Title (en)
POWER PLANT CONDENSER WITH DEAERATION/DEGASSING SYSTEM

Title (de)
KRAFTWERKSKONDENSATOR MIT ENTLÜFTUNGS-/ENTGASUNGSSYSTEM

Title (fr)
CONDENSEUR AVEC SYSTEME DE DEAERATION/DEGAZAGE POUR CENTRALE THERMIQUE

Publication
EP 1576331 B1 20061129 (DE)

Application
EP 03798937 A 20030925

Priority
• DE 10245935 A 20020930
• EP 0350658 W 20030925

Abstract (en)
[origin: WO2004031672A1] The invention relates to a deaeration/degassing system for a power plant capacitor (1) comprising a condensate receptacle (9) and an optional air cooler (6). The inventive deaeration/degassing system essentially encompasses a suction unit (22) and a suction conduit (19, 21) for a steam/inert gas mixture (20), said suction conduit (19, 21) connecting the capacitor (1) or the air cooler (6) of the capacitor (1) if an air cooler (6) is provided to the suction unit (22). The invention is characterized by the fact that a device (15) for direct contact condensation, e.g. a packing column (17) or a bottom contact apparatus, is disposed inside the suction conduit (19, 21). Said device (15) for direct contact condensation can be penetrated by the steam/inert gas mixture in direct contact with and counter to the direction in which the cooled condensate (24) flows from the condensate receptacle (9).

IPC 8 full level
F28B 9/10 (2006.01)

CPC (source: EP US)
F28B 9/10 (2013.01 - EP US)

Designated contracting state (EPC)
DE GB

DOCDB simple family (publication)
WO 2004031672 A1 20040415; AU 2003299148 A1 20040423; DE 10245935 A1 20040519; DE 50305876 D1 20070111;
EP 1576331 A1 20050921; EP 1576331 B1 20061129; US 2006010869 A1 20060119; US 7540905 B2 20090602

DOCDB simple family (application)
EP 0350658 W 20030925; AU 2003299148 A 20030925; DE 10245935 A 20020930; DE 50305876 T 20030925; EP 03798937 A 20030925;
US 9234205 A 20050329