

Title (en)

A system for analyzing operation of power plant units and a method for analyzing operation of power plant units

Title (de)

System zur Analyse des Betriebs von Kraftwerkseinheiten und Verfahren zur Analyse des Betriebs von Kraftwerkseinheiten

Title (fr)

Système pour analyser le fonctionnement d'unités de centrale électrique et procédé pour analyser le fonctionnement d'unités de centrale électrique

Publication

EP 2644850 B1 20160504 (EN)

Application

EP 12461509 A 20120328

Priority

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Abstract (en)

[origin: EP2644850A1] A computer-implemented method for analyzing the operation of power plant blocks, in which, on the basis of collected operational data, the deterministic models (202) of operation of individual blocks are examined and characteristics (203) of operational parameters are created. The selected operational parameters are examined by calculating for them the deviation of heat rate in time on the basis of the deterministic model and the characteristic of the parameter, destructions of exergy in various process points of the block are calculated; for various points of the process and for various power plant blocks, the calculated deviations of heat rate and the destruction of exergy are presented in a graphical form.

IPC 8 full level

F01K 13/00 (2006.01); **G05B 17/00** (2006.01); **G05B 23/02** (2006.01)

CPC (source: EP)

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Citation (examination)

US 2008208429 A1 20080828 - SARAVANAPRIYAN ARUL [IN], et al

Cited by

CN113394814A; CN114060113A; CN113095591A

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