

Title (en)

Method and apparatus for the calculation of energy and technical processes

Title (de)

Verfahren und Vorrichtung zur Berechnung energie- und verfahrenstechnischer Prozesse

Title (fr)

Méthode et dispositif pour le calcul des procédés énergétiques et techniques

Publication

EP 1701005 A1 20060913 (DE)

Application

EP 05003691 A 20050221

Priority

EP 05003691 A 20050221

Abstract (en)

The method involves using a computational model based upon a balance equation of the first law of thermodynamics. The calculation is carried out in the form of an optimization calculation into which a technical boundary condition, which is formulated in the form of an inequality, enters as a secondary condition. A logical condition is received as secondary condition into the optimization calculation. An independent claim is included for a device.

IPC 8 full level

F01K 13/02 (2006.01)

CPC (source: EP)

F01K 13/02 (2013.01)

Citation (search report)

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- [X] JP 2004060462 A 20040226 - HONDA MOTOR CO LTD
- [A] US 4577270 A 19860318 - SUGANO AKIRA [JP], et al
- [X] GICQUEL R: "METHODE D'OPTIMISATION SYSTEMIQUE BASEE SUR L'INTEGRATION THERMIQUE PAR EXTENSION DE LA METHODE DU PINCEMENT APPLICATION A LA COGENERATION AVEC PRODUCTION DE VAPEUR", REVUE GENERALE DE THERMIQUE, ELSEVIER EDITIONS SCIENTIFIQUES ET MEDICALES, PARIS, FR, vol. 34, no. 406, 1 October 1995 (1995-10-01), pages 579S - 607S, XP000543739, ISSN: 0035-3159
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Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 1701005 A1 20060913; CN 101124386 A 20080213; CN 101124386 B 20111116; EP 1851417 A2 20071107; WO 2006087382 A2 20060824; WO 2006087382 A3 20061116

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EP 05003691 A 20050221; CN 200680005594 A 20060217; EP 06708366 A 20060217; EP 2006060078 W 20060217