

Title (en)

METHOD FOR ESTIMATING DYNAMIC STATE VARIABLES IN AN ELECTROLYTIC CELL SUITABLE FOR THE HALL-HÉROULT ELECTROLYSIS PROCESS

Title (de)

VERFAHREN ZUR SCHÄTZUNG DYNAMISCHER ZUSTANDSGRÖSSEN IN EINER FÜR DEN HALL-HÉROULT-ELEKTROLYSEPROZESS GEEIGNETEN ELEKTROLYSEZELLE

Title (fr)

PROCÉDÉ D'ESTIMATION DE VARIABLES D'ÉTAT DYNAMIQUES DANS UNE CELLULE ÉLECTROLYTIQUE CONVENANT POUR LE PROCÉDÉ D'ÉLECTROLYSE HALL-HÉROULT

Publication

**EP 3417095 A1 20181226 (EN)**

Application

**EP 17752749 A 20170208**

Priority

- GB 201602613 A 20160215
- IB 2017050661 W 20170208

Abstract (en)

[origin: WO2017141134A1] Method of producing aluminium in an electrolytic cell using the Hall-Héroult electrolysis process, said method comprising the following steps: -dividing said cell into at least n subsystems, -for each subsystem, estimating the local value of at least one target or output parameter on the basis of the value of the measurement of at least one input parameter, -modifying at least one of said input parameters in the cell by exerting a physical action upon the cell, if at least one estimated value of said output parameter, for at least one subsystem, is substantially different from another estimated value of said output parameter for another subsystem.

IPC 8 full level

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CPC (source: EP)

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Designated extension state (EPC)

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DOCDB simple family (publication)

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