

Title (en)
ELECTRICAL CONNECTION DEVICE, FOR CONNECTING BETWEEN TWO SUCCESSIVE CELLS OF A SERIES OF CELLS FOR THE PRODUCTION OF ALUMINIUM

Title (de)
ELEKTRISCHE VERBINDUNGSVORRICHTUNG FÜR EINE VERBINDUNG ZWISCHEN ZWEI AUFEINANDERFOLGEN ZELLEN EINER ZELLREIHE ZUR HERSTELLUNG VON ALUMINIUM

Title (fr)
DISPOSITIF DE CONNEXION ÉLECTRIQUE ENTRE DEUX CELLULES SUCCESSIVES D'UNE SÉRIE DE CELLULES POUR LA PRODUCTION D'ALUMINIUM

Publication
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Application
EP 11761647 A 20110906

Priority

- FR 1003695 A 20100917
- FR 2011000491 W 20110906

Abstract (en)
[origin: WO2012035212A1] The electrical connection device connecting the cells in series comprises: a first conductor (16) connected to the cathode assembly of the cell (N-1) and to the anode frame of the cell (N), having a portion (19) located between said pots (N-1) and (N), and in which portion the current (I) flows towards the alignment axis (X) of the spots; a second conductor (24) connected to the cathode assembly of the cell (N) and to the anode frame of the cell (N+1), having a portion (23) located between the pots (N-1) and (N), and in which portion the current flows away from the axis (X); short-circuiting blocks (20, 21) housed between said portions (19, 23) of said conductors (16, 24); and a third conductor (27) for balancing the current flowing via the blocks.

IPC 8 full level
C25C 3/16 (2006.01); **C25C 7/06** (2006.01); **H01H 1/58** (2006.01)

CPC (source: EP US)
C25C 3/16 (2013.01 - EP US); **C25C 7/06** (2013.01 - EP US); **H01H 1/5866** (2013.01 - US)

Citation (search report)
See references of WO 2012035212A1

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