

Title (en)  
A MATERIAL FOR STRUCTURAL COMPONENTS OF AN ELECTROWINNING CELL FOR PRODUCTION OF METAL

Title (de)  
MATERIAL FÜR BAUTEILE EINER ELEKTROLYSEZELLE FÜR DIE METALLHERSTELLUNG

Title (fr)  
MATERIAU POUR ELEMENTS STRUCTURAUX DE CELLULE D'EXTRACTION ELECTROLYTIQUE POUR LA PRODUCTION DE METAUX

Publication  
**EP 1543179 A1 20050622 (EN)**

Application  
**EP 03792888 A 20030815**

Priority

- NO 0300278 W 20030815
- NO 20024049 A 20020823

Abstract (en)  
[origin: WO2004018738A1] A material suitable for use for structural components in a cell for the electrolytic reduction of alumina to aluminium metal defined either by: . the formula  $(A'l-uA''u)x(B'l-vB''v)y(C'l-wC''w)zO_4$ , in which A' and A'' are divalent elements from the group Co, Ni, or Zn, B' and B'' are trivalent elements from the group Al, Cr, Mn, or Fe, and C' and C'' are the tetravalent elements Ti or Sn. O is the element oxygen.  $0 \leq u < 1$ ,  $0 \leq v < 1$ ,  $0 \leq w < 1$   $1 \leq x \leq 2$ ,  $0 \leq y \leq 2$  and  $0 \leq z \leq 1$ ,  $x+y+z = 3$  and  $2x+3y+4z = 8$ , or . the formula  $A'l-SA''sTiO_3$ , in which A' and A'' are divalent elements from the group Co, Ni, or Zn. O is the element oxygen.  $0 \leq s < 1$  or . the formula  $A'l-tA''tO$ , in which A' and A'' are divalent elements from the group Co, Ni, or Zn. O is the element oxygen.  $0 \leq t < 1$ .

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**C25C 3/12**

IPC 8 full level  
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CPC (source: EP US)  
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