Title (en)

MULTICOMPONENT ALUMINIUM ALLOYS WITH IMPROVED HOT CRACKING PROPERTIES AND REDUCED POROSITY

Title (de)

MEHRKOMPONENTENALUMINIUMLEGIERUNGEN MIT VERBESSERTEN HEISSRISSENEIGENSCHAFTEN UND VERRINGERTER POROSITÄT

Title (fr)

ALLIAGES D'ALUMINIUM À PLUSIEURS COMPOSANTS AYANT DES PROPRIÉTÉS AMÉLIORÉES DE FISSURATION À CHAUD ET UNE POROSITÉ RÉDUITE

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Abstract (en)

The invention relates to new multicomponent aluminium alloys, with certain proportions of zinc, copper, magnesium and silicon; these alloys have fine microstructures, which allow their processability by means of different manufacturing techniques, including technologies where the rapid solidification of the process presents hot cracking problems and processes where porosity is generated. The invention also relates to the use of the alloys for the manufacture of articles by means of near net shape manufacturing techniques, and to articles comprising said alloys.

IPC 8 full level

C22C 21/02 (2006.01); **C22C 21/10** (2006.01)

CPC (source: EP)

C22C 21/02 (2013.01); **C22C 21/10** (2013.01)

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