

Title (en)
INTERMETALLIC ALLOY, ITS PRODUCTION AND USE.

Title (de)
INTERMETALLISCHE LEGIERUNG, IHRE HERSTELLUNG UND VERWENDUNG.

Title (fr)
ALLIAGE INTERMETALLIQUE, SA FABRICATION ET SON EMPLOI.

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Application
EP 90910657 A 19900629

Priority
DE 3921709 A 19890701

Abstract (en)
[origin: WO9100370A1] Intermetallic alloys of approximate composition SiCrAl₇?, in which a preponderant portion of the microstructure consists of one or more intermetallic phases or intermediate phases containing 8 to 12 wt.% of silicon, 15 to 20 wt.% of chromium, 64 to 72 wt.% of aluminium, including the usual accompanying elements, 0 to 5 wt.% of one or more additional alloying elements, chosen from silver, magnesium, vanadium, nickel and copper, and 0 to 1 wt.% of one or more other additional alloying elements, chosen from beryllium, boron, cerium, titanium and yttrium, can be produced by heat treating the alloys at temperatures above 820C. Their production and use are also described.

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