

C22 METALLURGY (of iron C21); **FERROUS OR NON-FERROUS ALLOYS; TREATMENT OF ALLOYS OR NON-FERROUS METALS** (general methods or devices for heat treatment of ferrous or non-ferrous metals or alloys C21D; production of metals by electrolysis or electrophoresis C25)

C22F CHANGING THE PHYSICAL STRUCTURE OF NON-FERROUS METALS OR NON-FERROUS ALLOYS (surface treatment of metallic material involving at least one process provided for in class C23 and at least one process covered by this subclass C23F 17/00)

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| <p>1/00 Changing the physical structure of non-ferrous metals or alloys by heat treatment or by hot or cold working (apparatus for mechanical working of metal B21, B23, B24)</p> <p>1/02 . in inert or controlled atmosphere or vacuum (adjusting the composition of the atmosphere C21D 1/76)</p> <p>1/04 . of aluminium or alloys based thereon</p> <p>1/043 . . of alloys with silicon as the next major constituent [4]</p> <p>1/047 . . of alloys with magnesium as the next major constituent [4]</p> <p>1/05 . . of alloys of the Al-Si-Mg type, i.e. containing silicon and magnesium in approximately equal proportions [4]</p> <p>1/053 . . of alloys with zinc as the next major constituent [4]</p> | <p>1/057 . . of alloys with copper as the next major constituent [4]</p> <p>1/06 . of magnesium or alloys based thereon</p> <p>1/08 . of copper or alloys based thereon</p> <p>1/10 . of nickel or cobalt or alloys based thereon</p> <p>1/11 . of chromium or alloys based thereon</p> <p>1/12 . of lead or alloys based thereon</p> <p>1/14 . of noble metals or alloys based thereon</p> <p>1/16 . of other metals or alloys based thereon</p> <p>1/18 . . High-melting or refractory metals or alloys based thereon</p> <p>3/00 Changing the physical structure of non-ferrous metals or alloys by special physical methods, e.g. treatment with neutrons</p> <p>3/02 . by solidifying a melt controlled by supersonic waves or electric or magnetic fields</p> |
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