SECTION C — CHEMISTRY; METALLURGY

C22 METALLURGY; FERROUS OR NON-FERROUS ALLOYS; TREATMENT OF ALLOYS OR NON-FERROUS METALS

C22F CHANGING THE PHYSICAL STRUCTURE OF NON-FERROUS METALS OR NON-FERROUS ALLOYS (processes specific to heat treatment of ferrous alloys or steels and devices for heat treatment of metals or alloys C21D)

Note(s) [2012.01]

Surface treatments of metallic material involving at least one process provided for in class C23 and at least one process covered by this subclass are classified in group C23F 17/00.

1/00 Changing the physical structure of non-ferrous metals or alloys by heat treatment or by hot or cold working [1, 2006.01]

1/02 • in inert or controlled atmosphere or vacuum **[1, 2006.01]**

1/04 • of aluminium or alloys based thereon **[1, 2006.01]**

1/043 • • of alloys with silicon as the next major constituent **[4, 2006.01]**

1/047 • • of alloys with magnesium as the next major constituent **[4, 2006.01]**

1/05 • • of alloys of the Al-Si-Mg type, i.e. containing silicon and magnesium in approximately equal proportions **[4, 2006.01]**

1/053 • • of alloys with zinc as the next major constituent **[4, 2006.01]**

1/057 • • of alloys with copper as the next major constituent **[4, 2006.01]**

1/06 • of magnesium or alloys based thereon **[1, 2006.01]**

1/08 • of copper or alloys based thereon **[1, 2006.01]**

1/10 • of nickel or cobalt or alloys based thereon **[1, 2006.01]**

1/11 • of chromium or alloys based thereon **[1, 2006.01]**

1/12 • of lead or alloys based thereon **[1, 2006.01]**

1/14 • of noble metals or alloys based thereon **[1, 2006.01]**

1/16 • of other metals or alloys based thereon **[1, 2006.01]**

1/18 • • High-melting or refractory metals or alloys based thereon **[1, 2006.01]**

3/00 Changing the physical structure of non-ferrous metals or alloys by special physical methods, e.g. treatment with neutrons [1, 2006.01]

3/02 • by solidifying a melt controlled by supersonic waves or electric or magnetic fields **[1, 2006.01]**