SECTION C — CHEMISTRY; METALLURGY

C21 METALLURGY OF IRON

C21C PROCESSING OF PIG-IRON, e.g. REFINING, MANUFACTURE OF WROUGHT-IRON OR STEEL; TREATMENT IN MOLTEN STATE OF FERROUS ALLOYS

1/00 Refining of pig-iron; Cast iron [1, 2006.01]
1/02 • Dephosphorising or desulfurising **[1, 2006.01]**
1/04 • Removing impurities other than carbon, phosphorus, or sulfur **[1, 2006.01]**
1/06 • Constructional features of mixers for pig-iron **[1, 2006.01]**
1/08 • Manufacture of cast-iron **[1, 2006.01]**
1/10 • Making spheroidal graphite cast-iron **[1, 2006.01]**

3/00 Manufacture of wrought-iron or wrought-steel [1, 2006.01]

5/00 Manufacture of carbon steel, e.g. plain mild steel, medium carbon steel, or cast-steel [1, 2006.01]
5/02 • Crucible furnace processes **[1, 2006.01]**
5/04 • Manufacture of hearth-furnace steel, e.g. Siemens-Martin steel **[1, 2006.01]**
5/06 • • Processes yielding slags of special composition **[1, 2006.01]**
5/28 • Manufacture of steel in the converter **[1, 2006.01]**
5/30 • • Regulating or controlling the blowing **[1, 2006.01]**
5/32 • • • Blowing from above (C21C 5/35 takes precedence) **[1, 5, 2006.01]**
5/34 • • • Blowing through the bath (C21C 5/35 takes precedence) **[1, 5, 2006.01]**
5/35 • • • Blowing from above and through the bath **[5, 2006.01]**
5/36 • • Processes yielding slags of special composition **[1, 2006.01]**
5/38 • • Removal of waste gases or dust **[1, 2006.01]**
5/40 • • • Offtakes or separating apparatus for converter waste gases or dust **[1, 2006.01]**
5/42 • • Constructional features of converters **[1, 2006.01]**
5/44 • • • Refractory linings **[1, 2006.01]**
5/46 • • • Details or accessories **[1, 2006.01]**
5/48 • • • • Bottoms or tuyères of converters **[1, 2006.01]**
5/50 • • • • Tilting mechanisms for converters **[1, 2006.01]**
5/52 • Manufacture of steel in electric furnaces **[1, 2006.01]**
5/54 • • Processes yielding slags of special composition **[1, 2006.01]**
5/56 • Manufacture of steel by other methods (making liquid steel by direct processes C21B 13/00) **[1, 2006.01]**

7/00 Treating molten ferrous alloys, e.g. steel, not covered by groups C21C 1/00-C21C 5/00 (treating molten metals during moulding B22D 1/00, B22D 27/00) **[1, 2006.01]**
7/04 • Removing impurities by adding a treating agent **[1, 2006.01]**
7/06 • • Deoxidising, e.g. killing **[1, 2, 2006.01]**
7/064 • • Dephosphorising; Desulfurising **[3, 2006.01]**
7/068 • • Decarburising **[3, 2006.01]**
7/072 • • Treatment with gases (C21C 7/06, C21C 7/064, C21C 7/068 take precedence) **[3, 2006.01]**
7/076 • • Use of slags or fluxes as treating agents (C21C 7/06, C21C 7/064, C21C 7/068 take precedence) **[3, 2006.01]**
7/10 • Handling in vacuum **[1, 2006.01]**