

# CPC COOPERATIVE PATENT CLASSIFICATION

## F MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING (NOTE omitted)

### LIGHTING; HEATING

**F27 FURNACES; KILNS; OVENS; RETORTS** (specially adapted for a purpose covered by a single other class and specifically mentioned in that class, [see the class in question](#), e.g. bakery ovens [A21B](#), glass melting furnaces [C03B](#), coke or gas-making apparatus [C10B](#), [C10I](#), apparatus for cracking hydrocarbons [C10G](#), blast furnaces [C21B](#), converters for making steel [C21C](#), furnaces for heat treatment of metal [C21D](#); furnaces for electroslag or arc remelting of metals [C22B 9/00](#); enamelling ovens [C23D](#); combustion apparatus [F23](#); electric heating [H05B](#))  
(NOTES omitted)

## F27M INDEXING SCHEME RELATING TO ASPECTS OF THE CHARGES OR FURNACES, KILNS, OVENS OR RETORTS

### NOTE

This subclass constitutes an internal scheme for indexing only.

<b>2001/00</b>	<b>Composition, conformation or state of the charge</b>	<b>2001/1582</b>	. . . . Wires
2001/01	. Charges containing mainly non-ferrous metals	2001/1586	. . . . . in coil form
2001/012	. . Aluminium	2001/1591	. . . . Bars
2001/015	. . Copper	2001/1595	. . Bands
2001/017	. . Lead	2001/16	. Particulate material, e.g. comminuted scrap
2001/02	. Charges containing ferrous elements	2001/17	. in the form of a blanket, e.g. mineral wool
2001/023	. . Ferrites	2001/18	. in the form of pellets
2001/026	. . Ferromagnetic materials	2001/21	. Briquettes
2001/03	. Charges containing minerals	2001/22	. Ingots
2001/035	. . China	<b>2002/00</b>	<b>Disposition of the charge</b>
2001/04	. Carbon-containing material	2002/01	. in one layer
2001/045	. . Coke	2002/013	. . in a push furnace type
2001/05	. Waste materials, refuse	2002/016	. . . workpieces being separated by a separating element
2001/06	. Plastics	2002/03	. as a batch of articles in a basket
2001/07	. Glass	2002/04	. Palletised
2001/08	. Food	2002/10	. Brick disposition in stacks on the support
2001/10	. Scrap material used as charge	2002/11	. Continuous charging
2001/15	. characterised by the form of the articles	2002/12	. Discontinuous charging
2001/1504	. . Ceramic articles	<b>2003/00</b>	<b>Type of treatment of the charge</b>
2001/1508	. . . Articles of relatively small dimensions	2003/01	. Annealing
2001/1513	. . . . Plates	2003/02	. Preheating, e.g. in a laminating line
2001/1517	. . . . Tiles	2003/025	. . Drying
2001/1521	. . . . Bricks	2003/03	. Calcining
2001/1526	. . . Elongated articles	2003/04	. Sintering
2001/153	. . . . Tubes	2003/05	. Brazing
2001/1534	. . . Big articles, e.g. bath-tubs	2003/06	. Enamelling
2001/1539	. . Metallic articles	2003/07	. Carburising
2001/1543	. . . Articles of relatively small dimensions	2003/08	. Curing; Baking
2001/1547	. . . Elongated articles, e.g. beams, rails	2003/085	. . Curing a painted surface
2001/1552	. . . . Billets, slabs	2003/09	. Expanding the charge, e.g. clay
2001/1556	. . . . Tubes or cylindrical bodies	2003/10	. Soaking
2001/156	. . . Flat articles	2003/11	. Incineration
2001/1565	. . . . Sheets	2003/12	. Reactivation of particles, e.g. carbon
2001/1569	. . . . . assembled in coils	2003/13	. Smelting
2001/1573	. . . . . in stacks		
2001/1578	. . . Articles of indefinite length		

## F27M

- 2003/14 . Pyrolising
- 2003/15 . Vaporisation
- 2003/155 . . Condensation
- 2003/16 . Treatment involving a chemical reaction
- 2003/162 . . between two or more components of the charge
- 2003/165 . . Reduction
- 2003/167 . . Oxydation
- 2003/17 . Coating
- 2003/18 . Degasifying
- 2003/19 . Dipping in a salt bath