

## SECTION C — CHEMISTRY; METALLURGY

### C12 BIOCHEMISTRY; BEER; SPIRITS; WINE; VINEGAR; MICROBIOLOGY; ENZYMOLOGY; MUTATION OR GENETIC ENGINEERING

#### C12S PROCESSES USING ENZYMES OR MICRO-ORGANISMS TO LIBERATE, SEPARATE OR PURIFY A PRE-EXISTING COMPOUND OR COMPOSITION (biological treatment of water, waste water, or sewage C02F 3/00, of sludge C02F 11/02; processes using enzymes or micro-organisms to separate optical isomers from a racemic mixture C12P 41/00); PROCESSES USING ENZYMES OR MICRO-ORGANISMS TO TREAT TEXTILES OR TO CLEAN SOLID SURFACES OF MATERIALS [5]

##### Note(s)

1. This subclass covers processes already provided for in:
  - Section A: A21, A23, A61L, A62D;
  - Section B: B01D, B08B, B09C;
  - Section C: C01, C05F, C08, C09B, C09H, C10G, C13, C14C, C21B, C22B, C23F, C23G;
  - Section D: D01C, D01F, D06L, D06M, D06P, D21C, D21H;
  - Section E: E21B;
  - Section F: F24F, F24J, F26B;
  - Section H: H01M.

This subclass is intended to provide a basis for a complete search to be made with respect to the subject matter defined by the subclass title and, therefore, all relevant information is classified in this subclass, even if classified elsewhere.

2. Attention is drawn to Notes (2) and (3) following the title of class C12.
3. In this subclass, in the absence of an indication to the contrary, classification is made in the last appropriate place.
4. The classification symbols of this subclass are not listed first when printed on patent documents.
5. In this subclass, it is desirable to add the indexing codes of subclass C12R.

<p><b>1/00 Treatment of petroleum oils, shale oils or sand oils [5]</b></p> <p>1/02 • Desulfurising [5]</p> <p><b>3/00 Treatment of animal or plant materials or micro-organisms [5]</b></p> <p>3/02 • Recovery or purification of carbohydrate material [5]</p> <p>3/04 • • Cellulose, e.g. plant fibres [5]</p> <p>3/06 • • • Treatment of hemp or flax [5]</p> <p>3/08 • • • in the production of paper pulp [5]</p> <p>3/10 • • Treatment of sugar or molasses [5]</p> <p>3/12 • • Treatment of pectin or starch [5]</p> <p>3/14 • Recovery or purification of proteinaceous material [5]</p> <p>3/16 • • Collagen or gelatin [5]</p>	<p>3/18 • Recovery or purification of glyceridic oils, fats, ester-type waxes or fatty acids [5]</p> <p>3/20 • Removal of nucleic acids from intact or disrupted cells [5]</p> <p>3/22 • Treatment of blood fractions [5]</p> <p>3/24 • Treatment of animal secretions or organs [5]</p> <p><b>5/00 Treatment of emulsions, gases or foams [5]</b></p> <p><b>7/00 Treatment of hides, e.g. depilating, bating [5]</b></p> <p><b>9/00 Cleaning solid surfaces of materials [5]</b></p> <p><b>11/00 Treatment of textiles, e.g. cleaning [5]</b></p> <p><b>99/00 Subject matter not provided for in other groups of this subclass [2010.01]</b></p>
---	---