

## 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)

- 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.

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

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