

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]

(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. [5]

(2) Attention is drawn to Notes (1) to (3) following the title of class C12. [5]

(3) The classification symbols of this subclass are not listed first when printed on the patent documents. [5]

In this subclass, it is desirable to add the indexing codes of subclass C12R. [6]

1/00	Treatment of petroleum oils, shale oils or sand oils [5]	3/18	. Recovery or purification of glyceridic oils, fats, ester-type waxes or fatty acids [5]
1/02	. Desulfurising [5]	3/20	. Removal of nucleic acids from intact or disrupted cells [5]
3/00	Treatment of animal or plant materials or micro-organisms [5]	3/22	. Treatment of blood fractions [5]
3/02	. Recovery or purification of carbohydrate material [5]	3/24	. Treatment of animal secretions or organs [5]
3/04	. . Cellulose, e.g. plant fibres [5]	5/00	Treatment of emulsions, gases or foams [5]
3/06	. . . Treatment of hemp or flax [5]	7/00	Treatment of hides, e.g. depilating, bating [5]
3/08	. . . in the production of paper pulp [5]	9/00	Cleaning solid surfaces of materials [5]
3/10	. . Treatment of sugar or molasses [5]	11/00	Treatment of textiles, e.g. cleaning [5]
3/12	. . Treatment of pectin or starch [5]	13/00	Processes not provided for in groups C12S 1/00 C12S 11/00 [5]
3/14	. Recovery or purification of proteinaceous material [5]		
3/16	. . Collagen or gelatin [5]		