

## SECTION C — CHEMISTRY; METALLURGY

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

**C12M APPARATUS FOR ENZYMOLOGY OR MICROBIOLOGY** (installations for fermenting manure A01C 3/02; preservation of living parts of humans or animals A01N 1/02; brewing apparatus C12C; fermentation apparatus for wine C12G; apparatus for preparing vinegar C12J 1/10) [3]

#### Note(s) [4, 6]

1. Attention is drawn to Notes (1) to (3) following the title of class C12.
2. In this subclass, it is desirable to add the indexing codes of subclass C12R.

#### **1/00 Apparatus for enzymology or microbiology [3, 2006.01]**

##### Note(s) [3]

This group covers:

- apparatus where micro-organisms or enzymes are produced or isolated;
  - apparatus where the characteristics of micro-organisms or enzymes are investigated, e.g. which growth factors are necessary;
  - apparatus specially adapted to employ micro-organisms or enzymes as "reactants" or biocatalysts;
  - apparatus of both the laboratory and industrial scale.
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|-------|---|-------------|--|
| 1/02  | • with agitation means; with heat exchange means [3, 2006.01]   | 1/18        | • • Multiple fields or compartments [3, 2006.01]   |
| 1/04  | • with gas introduction means [3, 2006.01]  | 1/20        | • • • Horizontal planar fields [3, 2006.01]  |
| 1/06  | • • with agitator, e.g. impeller [3, 2006.01]   | 1/21        | • Froth suppressors [5, 2006.01]   |
| 1/08  | • • with draft tube [3, 2006.01]  | 1/22        | • Petri type dish [3, 2006.01]   |
| 1/09  | • • Flotation apparatus [5, 2006.01]  | 1/24        | • tube or bottle type [3, 2006.01]   |
| 1/10  | • rotatably mounted [3, 2006.01]  | 1/26        | • Inoculator or sampler [3, 2006.01]   |
| 1/107 | • with means for collecting fermentation gases, e.g. methane (producing methane by anaerobic treatment of sludge C02F 11/04) [5, 2006.01] | 1/28        | • • being part of container [3, 2006.01]   |
| 1/113 | • • with transport of the substrate during the fermentation [5, 2006.01]  | 1/30        | • • • Sampler being a swab [3, 2006.01]  |
| 1/12  | • with sterilisation, filtration, or dialysis means [3, 2006.01]  | 1/32        | • • multiple field or continuous type [3, 2006.01]   |
| 1/14  | • with means providing thin layers or with multi-level trays [3, 2006.01]   | 1/33        | • Disintegrators [5, 2006.01]  |
| 1/16  | • containing, or adapted to contain, solid media [3, 2006.01]   | 1/34        | • Measuring or testing with condition measuring or sensing means, e.g. colony counters [3, 2006.01]  |
|       |   | 1/36        | • including condition or time responsive control, e.g. automatically controlled fermentors [3, 2006.01]  |
|       |   | 1/38        | • • Temperature-responsive control [3, 2006.01]  |
|       |   | 1/40        | • Apparatus specially designed for the use of free, immobilised, or carrier-bound enzymes, e.g. apparatus containing a fluidised bed of immobilised enzymes [3, 2006.01] |
|       |   | 1/42        | • Apparatus for the treatment of micro-organisms or enzymes with electrical or wave energy, e.g. magnetism, sonic wave [5, 2006.01]                                      |
|       |   | <b>3/00</b> | <b>Tissue, human, animal or plant cell, or virus culture apparatus [3, 2006.01]</b>  |
|       |   | 3/02        | • with means providing suspensions [3, 2006.01]  |
|       |   | 3/04        | • with means providing thin layers [3, 2006.01]  |
|       |   | 3/06        | • with filtration, ultrafiltration, inverse osmosis or dialysis means [5, 2006.01]   |
|       |   | 3/08        | • Apparatus for tissue disaggregation [5, 2006.01]   |
|       |   | 3/10        | • for culture in eggs [5, 2006.01]   |