

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; physical or chemical apparatus in general B01; brewing apparatus C12C; fermentation apparatus for wine C12G; apparatus for preparing vinegar C12J 1/10) [3]

Note(s)

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]

Note(s)

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] | 1/20 | • • • Horizontal planar fields [3] |
| 1/04 | • with gas introduction means [3] | 1/21 | • Froth suppressors [5] |
| 1/06 | • • with agitator, e.g. impeller [3] | 1/22 | • Petri type dish [3] |
| 1/08 | • • with draft tube [3] | 1/24 | • tube or bottle type [3] |
| 1/09 | • • Flotation apparatus [5] | 1/26 | • Inoculator or sampler [3] |
| 1/10 | • rotatably mounted [3] | 1/28 | • • being part of container [3] |
| 1/107 | • with means for collecting fermentation gases, e.g. methane (producing methane by anaerobic treatment of sludge C02F 11/04) [5] | 1/30 | • • • Sampler being a swab [3] |
| 1/113 | • • with transport of the substrate during the fermentation [5] | 1/32 | • • multiple field or continuous type [3] |
| 1/12 | • with sterilisation, filtration, or dialysis means [3] | 1/33 | • Disintegrators [5] |
| 1/14 | • with means providing thin layers or with multi-level trays [3] | 1/34 | • Measuring or testing with condition measuring or sensing means, e.g. colony counters [3] |
| 1/16 | • containing, or adapted to contain, solid media [3] | 1/36 | • including condition or time responsive control, e.g. automatically controlled fermentors (controlling or regulating in general G05) [3] |
| 1/18 | • • Multiple fields or compartments [3] | 1/38 | • • Temperature-responsive control [3] |
| | | 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] |
| | | 1/42 | • Apparatus for the treatment of micro-organisms or enzymes with electrical or wave energy, e.g. magnetism, sonic wave [5] |
| | | 3/00 | Tissue, human, animal or plant cell, or virus culture apparatus [3] |
| | | 3/02 | • with means providing suspensions [3] |
| | | 3/04 | • with means providing thin layers [3] |
| | | 3/06 | • with filtration, ultrafiltration, inverse osmosis or dialysis means [5] |
| | | 3/08 | • Apparatus for tissue disaggregation [5] |
| | | 3/10 | • for culture in eggs [5] |