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.

1/02 • with agitation means; with heat exchange means **[3, 2006.01]**
1/04 • with gas introduction means **[3, 2006.01]**
1/06 • • with agitator, e.g. impeller **[3, 2006.01]**
1/08 • • with draft tube **[3, 2006.01]**
1/09 • • Flotation apparatus **[5, 2006.01]**
1/10 • rotatably mounted **[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]**
1/113 • • with transport of the substrate during the fermentation **[5, 2006.01]**
1/12 • with sterilisation, filtration, or dialysis means **[3, 2006.01]**
1/14 • with means providing thin layers or with multi-level trays **[3, 2006.01]**
1/16 • containing, or adapted to contain, solid media **[3, 2006.01]**
1/18 • • Multiple fields or compartments **[3, 2006.01]**
1/20 • • • Horizontal planar fields **[3, 2006.01]**
1/21 • Froth suppressors **[5, 2006.01]**
1/22 • Petri type dish **[3, 2006.01]**
1/24 • tube or bottle type **[3, 2006.01]**
1/26 • Inoculator or sampler **[3, 2006.01]**
1/28 • • being part of container **[3, 2006.01]**
1/30 • • • Sampler being a swab **[3, 2006.01]**
1/32 • • multiple field or continuous type **[3, 2006.01]**
1/33 • Disintegrators **[5, 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]**

3/00 Tissue, human, animal or plant cell, or virus culture apparatus [3, 2006.01]

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]**