

## SECTION F — MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING

### F28 HEAT EXCHANGE IN GENERAL

**F28B STEAM OR VAPOUR CONDENSERS** (condensation of vapours B01D 5/00; condensation during pretreatment of gases prior to electrostatic precipitation of dispersed particles B03C 3/014; steam engine plants having condensers F01K; liquefaction of gases F25J; details of heat-exchange or heat-transfer arrangements of general application F28F)

**1/00 Condensers in which the steam or vapour is separated from the cooling medium by walls, e.g. surface condenser**

- 1/02 • using water or other liquid as the cooling medium
- 1/04 • • employing moving walls
- 1/06 • using air or other gas as the cooling medium
- 1/08 • • employing moving walls [3]

**3/00 Condensers in which the steam or vapour comes into direct contact with the cooling medium**

- 3/02 • by providing a flowing coating of cooling liquid on the condensing surface
- 3/04 • by injecting cooling liquid into the steam or vapour (F28B 3/08 takes precedence)
- 3/06 • by injecting the steam or vapour into the cooling liquid (F28B 3/08 takes precedence)
- 3/08 • with rotatable members

**5/00 Condensers employing a combination of the methods covered by groups F28B 1/00 and F28B 3/00; Other condensers**

**7/00 Combinations of two or more condensers, e.g. provision of reserve condenser**

**9/00 Auxiliary systems, arrangements, or devices**

- 9/02 • for feeding steam or vapour to condensers
- 9/04 • for feeding, collecting, and storing cooling water or other cooling liquid
- 9/06 • • with provision for re-cooling the cooling water or other cooling liquid
- 9/08 • for collecting and removing condensate
- 9/10 • for extracting, cooling, and removing non-condensable gases

**11/00 Controlling arrangements with features specially adapted for condensers**