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, 2006.01]**

1/02 • using water or other liquid as the cooling medium **[1, 2006.01]**

1/04 • • employing moving walls **[1, 2006.01]**

1/06 • using air or other gas as the cooling medium **[1, 2006.01]**

1/08 • • employing moving walls **[3, 2006.01]**

3/00 **Condensers in which the steam or vapour comes into direct contact with the cooling medium [1, 2006.01]**

3/02 • by providing a flowing coating of cooling liquid on the condensing surface **[1, 2006.01]**

3/04 • by injecting cooling liquid into the steam or vapour (F28B 3/08 takes precedence) **[1, 2006.01]**

3/06 • by injecting the steam or vapour into the cooling liquid (F28B 3/08 takes precedence) **[1, 2006.01]**

3/08 • with rotatable members **[1, 2006.01]**

5/00 **Condensers employing a combination of the methods covered by groups F28B 1/00 and F28B 3/00; Other condensers [1, 2006.01]**

7/00 **Combinations of two or more condensers, e.g. provision of reserve condenser [1, 2006.01]**

9/00 **Auxiliary systems, arrangements, or devices [1, 2006.01]**

9/02 • for feeding steam or vapour to condensers **[1, 2006.01]**

9/04 • for feeding, collecting, and storing cooling water or other cooling liquid **[1, 2006.01]**

9/06 • • with provision for re-cooling the cooling water or other cooling liquid **[1, 2006.01]**

9/08 • for collecting and removing condensate **[1, 2006.01]**

9/10 • for extracting, cooling, and removing non-condensable gases **[1, 2006.01]**

11/00 **Controlling arrangements with features specially adapted for condensers [1, 2006.01]**