

F28 HEAT EXCHANGE IN GENERAL (heat-transfer, heat-exchange or heat-storage materials C09K 5/00; arrangement or mounting of heat-exchangers in air-conditioning, air-humidification or ventilation F24F 13/30)

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