ECLA   EUROPEAN CLASSIFICATION

F28B   **STEAM OR VAPOUR CONDENSERS** (condensation of vapours B01D5/00; steam engine plants having condensers F01K; liquefaction of gases F25J; details of heat-exchange and heat-transfer arrangements of general application F28F)

F28B1/00   **Condensers in which the steam or vapour is separate from the cooling medium by walls, e.g. surface condenser**

F28B1/02   .   using water or other liquid as the cooling medium

F28B1/04   . .   employing moving walls

F28B1/06   .   using air or other gas as the cooling medium

       [N: **Notes** [C1207]
This group covers also air cooled heat exchangers for which the use as condenser is not explicitly specified, but the configuration is similar to air cooled condensers, e.g. dry cooling towers
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F28B1/08   . .   employing moving walls

F28B3/00   **Condensers in which the steam or vapour comes into direct contact with the cooling medium**

F28B3/02   .   by providing a flowing coating of cooling liquid on the condensing surface

F28B3/04   .   by injecting cooling liquid into the steam or vapour (F28B3/08 takes precedence)

F28B3/06   .   by injecting the steam or vapour into the cooling liquid (F28B3/08 takes precedence)

F28B3/08   .   with rotatable members

F28B5/00   **Condensers employing a combination of the methods covered by main groups F28B1/00 and F28B3/00; Other condensers**

F28B7/00   **Combinations of two or more condensers, e.g. provision of reserve condenser**

F28B9/00   **Auxiliary systems, arrangements, or devices**

F28B9/00B   .   [N: for protection against freezing]

F28B9/02   .   for feeding steam or vapour to condensers

F28B9/04   .   for feeding, collecting, and storing cooling water or other cooling liquid

F28B9/06   . .   with provision for re-cooling the cooling water or other cooling liquid

F28B9/08   .   for collecting and removing condensate

F28B9/10   **.** for extracting, cooling, and removing non-condensable gases

F28B11/00   **Controlling arrangements with features specially adapted for condensers** (control arrangements in general G05)