| F | Sektion | SECTION F — MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING |
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| F28 | Klasse | 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 | Unterklasse | 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) |
| F28B 1/00 | Hauptgruppe | Condensers in which the steam or vapour is separated from the cooling medium by walls, e.g. surface condenser |
| F28B 1/02 | 1-Punkt Untergruppe | . using water or other liquid as the cooling medium |
| F28B 1/04 | 2-Punkt Untergruppe | employing moving walls |
| F28B 1/06 | 1-Punkt Untergruppe | . using air or other gas as the cooling medium |
| F28B 1/08 | 2-Punkt Untergruppe | employing moving walls [3] |
| F28B 3/00 | Hauptgruppe | Condensers in which the steam or vapour comes into direct contact with the cooling medium |
| F28B 3/02 | 1-Punkt Untergruppe | . by providing a flowing coating of cooling liquid on the condensing surface |
| F28B 3/04 | 1-Punkt Untergruppe | . by injecting cooling liquid into the steam or vapour (F28B 3/08 takes precedence) |
| F28B 3/06 | 1-Punkt Untergruppe | . by injecting the steam or vapour into the cooling liquid (F28B 3/08 takes precedence) |
| F28B 3/08 | 1-Punkt Untergruppe | . with rotatable members |
| F28B 5/00 | Hauptgruppe | Condensers employing a combination of the methods covered by groups F28B 1/00 and F28B 3/00 ; Other condensers $\frac{1}{2}$ |
| F28B 7/00 | Hauptgruppe | Combinations of two or more condensers, e.g. provision of reserve condenser |
| F28B 9/00 | Hauptgruppe | Auxiliary systems, arrangements, or devices |
| F28B 9/02 | 1-Punkt Untergruppe | . for feeding steam or vapour to condensers |
| F28B 9/04 | 1-Punkt Untergruppe | . for feeding, collecting, and storing cooling water or other cooling liquid |
| F28B 9/06 | 2-Punkt Untergruppe | with provision for re-cooling the cooling water or other cooling liquid |
| F28B 9/08 | 1-Punkt Untergruppe | . for collecting and removing condensate |
| F28B 9/10 | 1-Punkt Untergruppe | . for extracting, cooling, and removing non-condensable gases |
| F28B 11/00 | Hauptgruppe | Controlling arrangements with features specially adapted for condensers |