Symbol	Typ	Titel
F	**Sektion**	**SECTION F — MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING**
F24	**Klasse**	**HEATING; RANGES; VENTILATING (protecting plants by heating in gardens, orchards, or forests A01G 13/06; baking ovens and apparatus A21B; cooking devices other than ranges A47J; forging B21J, B21K; specially adapted for vehicles, see the relevant subclasses of classes B60-B64; combustion apparatus in general F23; drying F26B; ovens in general F27; electric heating elements or arrangements H05B)**
F24J	**Unterklasse**	**PRODUCTION OR USE OF HEAT NOT OTHERWISE PROVIDED FOR (materials therefor C09K 5/00; engines or other mechanisms for producing mechanical power from heat, see the relevant classes, e.g. F03G for using natural heat)**
F24J 1/00	**Hauptgruppe**	**Apparatus or devices using heat produced by exothermal chemical reactions other than by combustion (for cooking-vessels A47J 36/28; self-heating compresses A61F 7/03; materials for the production of heat or cold undergoing non-reversible chemical reactions, other than by combustion, when used C09K 5/18)**
F24J 2/00	**Hauptgruppe**	**Use of solar heat, e.g. solar heat collectors (distillation or evaporation of water using solar energy C02F 1/14; roof covering aspects of energy collecting devices E04D 13/18; devices for producing mechanical power from solar energy F03G 6/00; semi-conductor devices specially adapted for converting solar energy into electrical energy H01L 25/00, H01L 31/00; semiconductor devices including arrays of solar cells using heat energy H01L 31/058; generators in which light radiation is directly converted into electrical energy H02N 6/00) [4, 5]**
F24J 2/02	1-Punkt Untergruppe	. Solar heat collectors with support for article heated, e.g. stoves, ranges, crucibles, furnaces or ovens using solar heat [4]
F24J 2/04	1-Punkt Untergruppe	. Solar heat collectors having working fluid conveyed through collector [4]
F24J 2/05	2-Punkt Untergruppe	. . surrounded by a transparent enclosure, e.g. evacuated solar collectors [6]
F24J 2/06	2-Punkt Untergruppe	. . having concentrating elements (optical elements or systems per seG02B) [4]
F24J 2/07	3-Punkt Untergruppe	. . . Receivers working at high temperature, e.g. for solar power plants [6]
F24J 2/08	3-Punkt Untergruppe	. . . having lenses as concentrating elements [4]
F24J 2/10	3-Punkt Untergruppe	. . . having reflectors as concentrating elements [4]
F24J 2/12	4-Punkt Untergruppe	. . . . parabolic [4]
F24J 2/13	4-Punkt Untergruppe	. . . . hemispherical [6]
F24J 2/14	4-Punkt Untergruppe	. . . . semi-cylindrical or cylindro-parabolic [4]
F24J 2/15	4-Punkt Untergruppe	. . . . conical [6]
F24J 2/16	4-Punkt Untergruppe	. . . . having flat plates [4]
F24J 2/18	4-Punkt Untergruppe	. . . . spaced, opposed interacting reflecting surfaces [4]
F24J 2/20	2-Punkt Untergruppe	. . the working fluid being conveyed between plates [4]
F24J 2/22	3-Punkt Untergruppe	. . . having extended surfaces, e.g. protrusions, corrugations (F24J 2/28 takes precedence) [4]
F24J 2/23	2-Punkt Untergruppe	. . the working fluid trickling freely over collector elements [6]
F24J 2/24	2-Punkt Untergruppe	. . the working fluid being conveyed through tubular heat absorbing conduits [4]

Symbol	Typ	Titel
F24J 2/26	3-Punkt Untergruppe	. . . having extended surfaces, e.g. protrusions (F24J 2/28 takes precedence) [4]
F24J 2/28	2-Punkt Untergruppe	. . having permeable mass, foraminous or porous materials [4]
F24J 2/30	2-Punkt Untergruppe	. . with means to exchange heat between plural fluids [4]
F24J 2/32	2-Punkt Untergruppe	. . having evaporator and condenser section, e.g. heat pipe [4]
F24J 2/34	2-Punkt Untergruppe	. . having heat storage mass [4]
F24J 2/36	1-Punkt Untergruppe	. Rollable or foldable collector units [4]
F24J 2/38	1-Punkt Untergruppe	. employing tracking means (F24J 2/02, F24J 2/06 take precedence; rotary supports or mountings therefor F24J 2/54; direction-finders for determining the direction from which electromagnetic waves are being received G01S 3/78; control of position or direction G05D 3/00) [4]
F24J 2/40	1-Punkt Untergruppe	. Control arrangements [4]
F24J 2/42	1-Punkt Untergruppe	. Solar heat systems not otherwise provided for [4]
F24J 2/44	2-Punkt Untergruppe	. . having thermosiphonic circulation [4]
F24J 2/46	1-Punkt Untergruppe	. Component parts, details or accessories of solar heat collectors [4]
F24J 2/48	2-Punkt Untergruppe	. . characterised by the absorber material [4]
F24J 2/50	2-Punkt Untergruppe	. . Transparent coverings [4]
F24J 2/51	2-Punkt Untergruppe	. . Thermal insulation (F24J 2/50 takes precedence) [6]
F24J 2/52	2-Punkt Untergruppe	. . Arrangement of mountings or supports [4]
F24J 2/54	3-Punkt Untergruppe	. . . specially adapted for rotary movement [6]
F24J 3/00	**Hauptgruppe**	**Other production or use of heat, not derived from combustion (use of solar heat F24J 2/00)**
F24J 3/06	1-Punkt Untergruppe	. using natural heat [4]
F24J 3/08	2-Punkt Untergruppe	. . using geothermal heat (devices for producing mechanical power from geothermal energy F03G 4/00) [4, 5]