

**CPC COOPERATIVE PATENT CLASSIFICATION**

**F MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING**  
*(NOTE omitted)*

**LIGHTING; HEATING**

**F24 HEATING; RANGES; VENTILATING**  
*(NOTE omitted)*

**F24T GEOTHERMAL COLLECTORS; GEOTHERMAL SYSTEMS**

<b>10/00</b>	<b>Geothermal collectors</b>
10/10	<ul style="list-style-type: none"> <li>with circulation of working fluids through underground channels, the working fluids not coming into direct contact with the ground</li> </ul>
10/13	<ul style="list-style-type: none"> <li>using tube assemblies suitable for insertion into boreholes in the ground, e.g. geothermal probes</li> </ul>
10/15	<ul style="list-style-type: none"> <li>using bent tubes; using tubes assembled with connectors or with return headers</li> </ul>
10/17	<ul style="list-style-type: none"> <li>using tubes closed at one end, i.e. return-type tubes</li> </ul>
10/20	<ul style="list-style-type: none"> <li>using underground water as working fluid; using working fluid injected directly into the ground, e.g. using injection wells and recovery wells</li> </ul>
10/30	<ul style="list-style-type: none"> <li>using underground reservoirs for accumulating working fluids or intermediate fluids</li> </ul>
10/40	<ul style="list-style-type: none"> <li>operated without external energy sources, e.g. using thermosiphonic circulation or heat pipes</li> </ul>
2010/50	<ul style="list-style-type: none"> <li>{Component parts, details or accessories}</li> </ul>
2010/53	<ul style="list-style-type: none"> <li>{Methods for installation}</li> </ul>
2010/56	<ul style="list-style-type: none"> <li>{Control arrangements}</li> </ul>
<b>50/00</b>	<b>Geothermal systems (for producing mechanical power from geothermal energy {F03G 7/04})</b>
<b>2201/00</b>	<b>Prediction; Simulation</b>