

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

10/00	Geothermal collectors WARNING Group F24T 10/00 is impacted by reclassification into groups F24T 10/10 , F24T 10/30 , F24T 10/40 , and F24T 50/00 . All groups listed in this Warning should be considered in order to perform a complete search.	10/40	• operated without external energy sources, e.g. using thermosiphonic circulation or heat pipes WARNING Group F24T 10/40 is incomplete pending reclassification of documents from groups F24T 10/00 , F24T 10/10 , and F24T 10/30 . All groups listed in this Warning should be considered in order to perform a complete search.
10/10	• with circulation of working fluids through underground channels, the working fluids not coming into direct contact with the ground WARNING Group F24T 10/10 is incomplete pending reclassification of documents from group F24T 10/00 . Group F24T 10/10 is also impacted by reclassification into groups F24T 10/30 and F24T 10/40 . All groups listed in this Warning should be considered in order to perform a complete search.	2010/50	• {Component parts, details or accessories} WARNING Group F24T 50/00 is incomplete pending reclassification of documents from group F24T 10/00 . Groups F24T 10/00 and F24T 50/00 should be considered in order to perform a complete search.
10/13	• . using tube assemblies suitable for insertion into boreholes in the ground, e.g. geothermal probes	2010/53	• . {Methods for installation}
10/15	• . . using bent tubes; using tubes assembled with connectors or with return headers	2010/56	• . {Control arrangements}
10/17	• . . using tubes closed at one end, i.e. return-type tubes	50/00	Geothermal systems (for producing mechanical power from geothermal energy {F03G 7/04}) WARNING Group F24T 50/00 is incomplete pending reclassification of documents from group F24T 10/00 . Groups F24T 10/00 and F24T 50/00 should be considered in order to perform a complete search.
10/20	• using underground water as working fluid; using working fluid injected directly into the ground, e.g. using injection wells and recovery wells		
10/30	• using underground reservoirs for accumulating working fluids or intermediate fluids WARNING Group F24T 10/30 is incomplete pending reclassification of documents from groups F24T 10/00 and F24T 10/10 . Group F24T 10/30 is also impacted by reclassification into group F24T 10/40 . All groups listed in this Warning should be considered in order to perform a complete search.	2201/00	Prediction; Simulation