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(54) **COOLING ARRANGEMENT**

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(58) **Field of Classification Search**

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See application file for complete search history.

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(57) **ABSTRACT**

A cooling arrangement configured for use with a direct-drive wind turbine with an outside rotor carrying a plurality of magnets, which cooling arrangement includes a number of exterior cooling elements arranged about an exterior of the outside rotor, wherein a cooling element is configured to guide a cooling airflow over the outside rotor and to transfer heat from the plurality of magnets to the cooling airflow, is provided. A direct-drive wind turbine including an outside rotor carrying a plurality of magnets, and a cooling arrangement for transferring heat from the magnets to an exterior cooling airflow, is further provided.

19 Claims, 3 Drawing Sheets

