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(54) **STANDALONE UNIT OF A STANDALONE POWER GRID FOR COMMUNICATING ENERGY REQUESTS WITH ANOTHER STANDALONE UNIT**

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(57) **ABSTRACT**

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The invention relates to a standalone unit for a standalone power grid, to a standalone power grid comprising a standalone unit and to a method for controlling a standalone power grid. In order to permit reduced recourse to an external power grid or public power grid, the standalone unit according to the invention comprises a power generation unit, in particular a photovoltaic unit, for generating power from renewable resources, an energy storage unit for storing energy, a load connection unit for connecting the standalone unit to a load unit for consuming energy, a grid unit, in particular an inverter unit, for connecting the standalone unit to a power grid, for drawing energy from the power grid and for feeding energy into the power grid, and an interface unit for communicating an energy withdrawal request and/or an energy storage request with a second standalone unit.

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