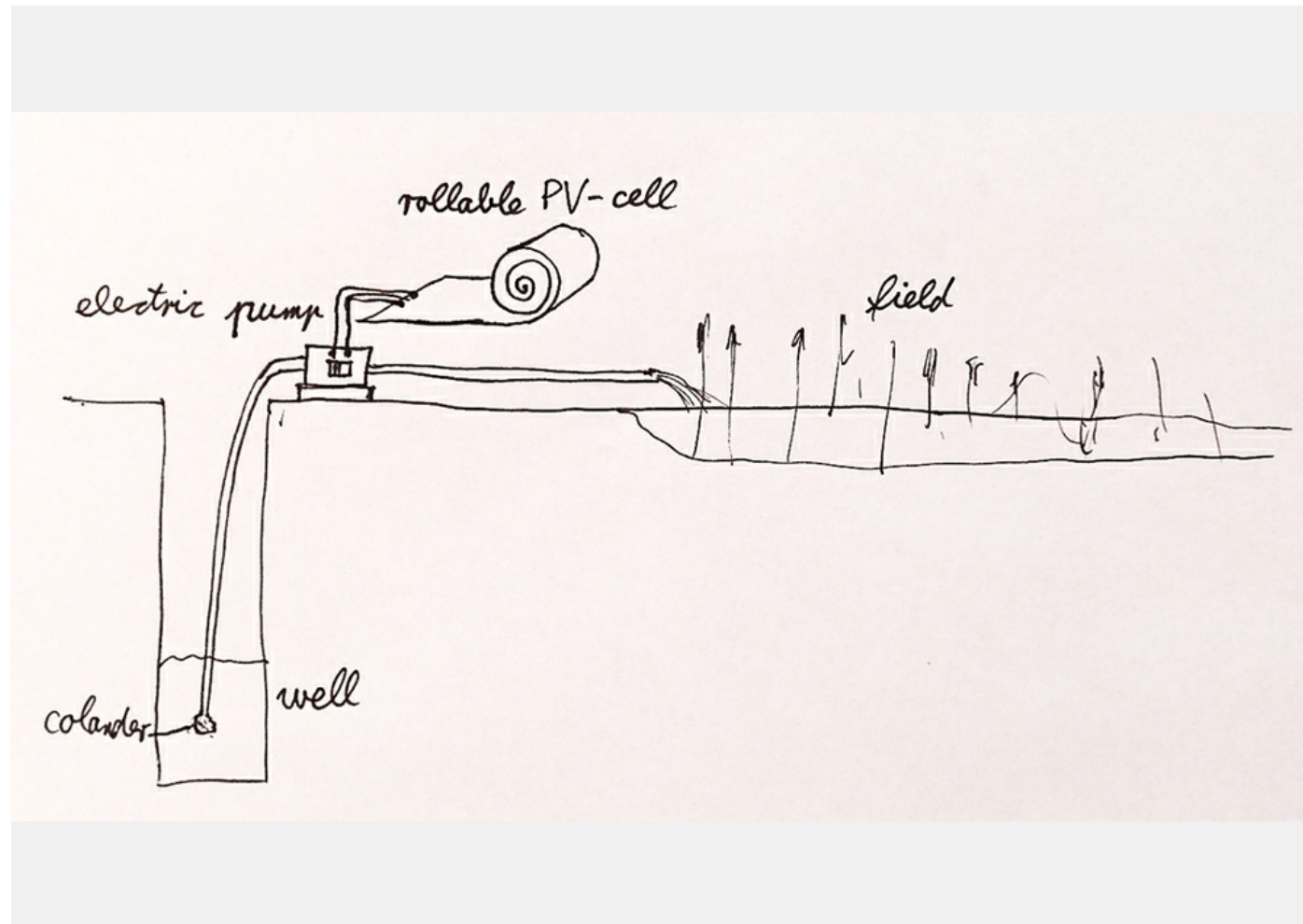


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rollable PV-cell with electric pump

A rollable PV-cell provides the electric motor with power to drive the centrifugal pump.



Solution

The system only requires few components and works in two versions:

The first version can be completely prepared using commercially available components. Components: rollable PV-cell, inverter, asynchronous motor (230 V AC) with centrifugal pump, electrical leads, two hoses, a Sieve, two mounts for the pump threads. A rollable PV-cell feeds the asynchronous motor of the centrifugal pump. The DC voltage of the PV-cell(s) (e.g. 24 to 40 V DC) is transformed by an inverter to 230 V AC. If the pump power should be reduced, you can just roll up the PV cell a bit or partly cover it. Advantage of this system: The 230 V AC can also be used to feed into a home network or to operate other electrical devices.

The second version requires a precise selection of components and more accurate searches. In this configuration you don't need an

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rollable PV-cell with electric pump

A rollable PV-cell provides the electric motor with power to drive the centrifugal pump.

Creative's profile



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