

Title (en)  
POWER TAKEOFF-DRIVEN REFRIGERATION

Title (de)  
ZAPFWELLENBETRIEBENE KÜHLUNG

Title (fr)  
RÉFRIGÉRATION ENTRAÎNÉE PAR PRISE DE FORCE

Publication  
**EP 4077002 A1 20221026 (EN)**

Application  
**EP 20902441 A 20201221**

Priority  
• US 201962951505 P 20191220  
• US 202017086692 A 20201102  
• US 2020066449 W 20201221

Abstract (en)  
[origin: WO2021127647A1] A system for PTO-driven refrigeration includes a generator that is configured to be mechanically connected to a power takeoff (PTO) and a converter that is configured to receive AC power from the generator and is operable to convert the AC power to DC power. The generator is connected to a charge controller that is connected to an energy storage element. The energy storage element is connected to a controller configured to receive DC power and provide AC power to a motor. The motor may be mechanically connectable to a refrigeration system. The energy storage element is further configured to receive power from a second charge controller that receives power via an AC power input or solar system.

IPC 8 full level  
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CPC (source: EP)  
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DOCDB simple family (publication)  
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