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DAI et al.(10) **Pub. No.: US 2022/0352783 A1**(43) **Pub. Date: Nov. 3, 2022**(54) **AIR-COOLING SYSTEM FOR PORTABLE GENERATOR***F02B 63/04* (2006.01)*H02K 11/33* (2006.01)*H02K 9/04* (2006.01)(71) Applicant: **N.P.S. Company, LLC**, Hurricane, UT (US)(52) **U.S. Cl.**CPC ..... *H02K 5/207* (2021.01); *H02K 7/1815*(2013.01); *F02B 63/048* (2013.01); *H02K**11/33* (2016.01); *F02B 63/042* (2013.01);*H02K 9/04* (2013.01)(72) Inventors: **JUNJIE DAI**, Shanghai (CN);  
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**ABSTRACT**

Devices, systems, and methods to air cool a portable generator are disclosed. The devices include various air ducts to direct airflow over heated components within a cabinet of the portable generator to cool the components by convection. A damping fan draws ambient temperature air into the cabinet and directs the air into channels of an outflow duct.

