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(19) **United States**(12) **Patent Application Publication****Berg-Palmqvist et al.**(10) **Pub. No.: US 2022/0360188 A1**(43) **Pub. Date: Nov. 10, 2022**(54) **A POWER CONVERTER ASSEMBLY AND A POWER SYSTEM****Publication Classification**(51) **Int. Cl.***H02M 7/00* (2006.01)*H02G 5/04* (2006.01)*B60R 16/02* (2006.01)(52) **U.S. Cl.**CPC *H02M 7/003* (2013.01); *H02G 5/04* (2013.01); *B60R 16/02* (2013.01)(71) Applicant: **Volvo Construction Equipment AB,**
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(2) Date: **Dec. 21, 2021**(57) **ABSTRACT**

The invention relates to a power converter assembly including at least two power converter units; a busbar; at least two connecting elements, each connecting element electrically connecting one of said power converter units to the busbar, thereby interconnecting the at least two power converter units; and at least one converter housing, enclosing and shielding at least one of said power converter units. It further includes a busbar housing in which the busbar is contained and shielded, wherein the at least two connecting elements are electrically isolated from the busbar housing and from the at least one converter housing. The invention further relates to a working machine and a power system including said power converter assembly.

