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(19) **United States**(12) **Patent Application Publication**  
**Pfister et al.**(10) **Pub. No.: US 2024/0213848 A1**(43) **Pub. Date: Jun. 27, 2024**(54) **ELECTRIC FAN DRIVE OF A MOTOR  
VEHICLE AND FAN MODULE****Publication Classification**(51) **Int. Cl.****H02K 5/22** (2006.01)**F04D 25/06** (2006.01)**F04D 29/64** (2006.01)(52) **U.S. Cl.****CPC** ..... **H02K 5/225** (2013.01); **F04D 25/0693**  
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**Hermann Hehn**, Leinach (DE)(21) Appl. No.: **18/594,270**(22) Filed: **Mar. 4, 2024****Related U.S. Application Data**(63) Continuation of application No. PCT/EP2022/  
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(57) **ABSTRACT**

An electric fan drive for a motor vehicle has an electric motor with a rotary field winding that includes a number of phase ends, and also has a motor carrier, arranged on an end face of the electric motor, for fastening and mounting on an installation point. A connection cable with a number of phase lines is provided for electrically conductively coupling the phase ends to a power supply. The motor carrier has axial feedthrough openings, through which the phase ends of the electric motor are guided, the phase lines each having a contact element at a line end facing the phase ends. Each contact element electrically conductively connects the corresponding phase end to the corresponding phase line. A connection housing for receiving the line ends, the phase ends and the contact elements is fastened to the motor carrier.

