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FRENCH, JR. et al.(10) **Pub. No.: US 2022/0360138 A1**(43) **Pub. Date: Nov. 10, 2022**(54) **POWER AND HOME TOOLS****B25F 5/02**

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62/459,333, filed on Feb. 15, 2017.**Publication Classification**(51) **Int. Cl.****H02K 7/14** (2006.01)**H02K 11/33** (2006.01)**B25B 21/00** (2006.01)

A hand-held tool that includes a housing. The housing includes a handle. A tool also includes a motor assembly, a battery assembly and a circuit board. The motor assembly includes a motor, the motor including a rotatable motor output shaft, a motor positive terminal and a motor negative terminal. The motor assembly also includes a first rigid conductive electrical connector having a first end fixed to the motor positive terminal and a second end fixed to the circuit board. The battery assembly includes a battery cell with a battery cell positive terminal and a battery cell negative terminal. The battery assembly further includes a second rigid conductive electrical connector having a first end fixed to the battery cell positive terminal and a second end fixed to the circuit board.

