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Choi et al.

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(54) **NON-STOP BATTERY EXCHANGING SYSTEM**

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29/763

See application file for complete search history.

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(57) **ABSTRACT**

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H01M 2/10 (2006.01)
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Provided is a non-stop battery exchanging system including a battery to which a locking protrusion that can enter or exit is coupled, a main body having a receiving groove in which the battery is received and a locking groove recessed in the receiving groove to allow insertion of the locking protrusion and fix the battery, and configured to move in a state in which the battery is mounted, a battery separating unit disposed in a moving direction of the main body and configured to separate the battery from the main body, a battery mounting unit configured to mount a charged battery on the main body, from which the battery is separated, from the battery separating unit, and a power supply unit configured to compensate a voltage difference generated during separation of the battery and mounting of the charged battery, and supply power to the main body.

(52) **U.S. Cl.**
CPC **H01M 2/1016** (2013.01); **B60L 11/1822** (2013.01); **Y02T 10/7005** (2013.01); **Y02T 10/7072** (2013.01); **Y02T 90/124** (2013.01); **Y02T 90/14** (2013.01); **Y10T 29/5313** (2015.01)

(58) **Field of Classification Search**

CPC Y10T 29/5313

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