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(54) **AUXILIARY SYSTEM OF POWER SUPPLY AND ENERGY HARVESTING FOR AN ELECTRIC VEHICLE, AND METHOD FOR OPERATING THE AUXILIARY SYSTEM OF POWER SUPPLY AND ENERGY HARVESTING**

HILFSSYSTEM ZUR STROMVERSORGUNG UND ENERGIEGEWINNUNG FÜR EIN ELEKTRISCHES FAHRZEUG SOWIE VERFAHREN ZUM BETREIBENDES HILFSSYSTEMS EINER STROMVERSORGUNG UND ENERGIEGEWINNUNG

SYSTÈME D'ALIMENTATION ÉLECTRIQUE AUXILIAIRE ET DE RÉCUPÉRATION D'ÉNERGIE POUR VÉHICULE ÉLECTRIQUE, ET PROCÉDÉ D'EXPLOITATION DU SYSTÈME D'ALIMENTATION ÉLECTRIQUE AUXILIAIRE ET DE RÉCUPÉRATION D'ÉNERGIE

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(72) Inventors:  
• **FRATELLI, Luigi**  
**80147 Napoli (IT)**  
• **IMPROTA, Vincenzo**  
**80147 Napoli (IT)**

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(74) Representative: **Bertolotto, Simone et al**  
**Studio Torta S.p.A.**  
**Via Viotti, 9**  
**10121 Torino (IT)**

(73) Proprietor: **HITACHI RAIL S.p.A.**  
**80147 Napoli (IT)**

(56) References cited:  
**US-A1- 2007 278 059 US-B2- 8 027 760**

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