

ABSTRACT**ELECTRICALLY POWERED TRANSPORT SYSTEM**

5

The invention relates to an electrically powered transport system (1) including:

- at least two rolling assemblies (Ri_X);
 - at least two electric drive assemblies (Ei_X), referred to as the first electric drive assembly and the second electric drive assembly, each of which is associated
- 10 with a distinct rolling assembly;
- o processing and management means including means for determining a sequence to be applied to the electrical energy storage module (Mi_1) of the first electric drive assembly (Ei_1) according to a determined management function, said sequence comprising at least one phase
- 15 (Ph_ch) of charging by injecting a charging current into the cells of the module (Mi_1) of the first electric drive assembly (Ei_1), which is generated by braking of the first electric drive assembly, and at least one phase of maintaining a nonzero setpoint speed for the transport system during said braking, which is applied to said second electric drive
- 20 assembly (Ei_2).

[Figure 1]