

Accepted Manuscript

New Latent Heat Storage System with Nanoparticles for Thermal Management of Electric Vehicles

N. Javani, I. Dincer, G.F. Naterer



PII: S0378-7753(14)00971-9

DOI: [10.1016/j.jpowsour.2014.06.107](https://doi.org/10.1016/j.jpowsour.2014.06.107)

Reference: POWER 19341

To appear in: *Journal of Power Sources*

Received Date: 15 March 2014

Revised Date: 18 June 2014

Accepted Date: 19 June 2014

Please cite this article as: N. Javani, I. Dincer, G.F. Naterer, New Latent Heat Storage System with Nanoparticles for Thermal Management of Electric Vehicles, *Journal of Power Sources* (2014), doi: 10.1016/j.jpowsour.2014.06.107.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

- A new passive thermal management system is developed for electric vehicles.
- Thermal conductivity of PCM in storage systems is improved by mixing carbon nanotubes.
- Energy storage dimensions are optimized to be applicable in electric vehicles TMS.
- The placement of carbon nanotubes in PCM is effective in bulk thermal conductivity.

Download English Version:

<https://daneshyari.com/en/article/7736286>

Download Persian Version:

<https://daneshyari.com/article/7736286>

[Daneshyari.com](https://daneshyari.com)