Accepted Manuscript

Reverse Logistics Network Design for Product Recovery and Remanufacturing

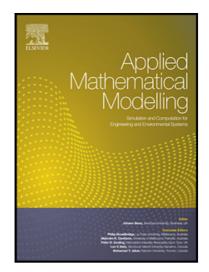
Tsai-Yun Liao

PII: \$0307-904X(18)30119-7 DOI: 10.1016/j.apm.2018.03.003

Reference: APM 12194

To appear in: Applied Mathematical Modelling

Received date: 30 April 2017 Revised date: 26 January 2018 Accepted date: 8 March 2018



Please cite this article as: Tsai-Yun Liao, Reverse Logistics Network Design for Product Recovery and Remanufacturing, *Applied Mathematical Modelling* (2018), doi: 10.1016/j.apm.2018.03.003

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.

ACCEPTED MANUSCRIPT

Highlights

- A mathematical model for the network design of multi-echelon reverse logistics is developed.
- A hybrid genetic algorithm is proposed to solve the problem.
- The amount of remanufactured products depends on the critical and the most valuable modules.
- The model results produce less CO₂ and reduce the environmental impact.
- The results show the proposed model performs better than current reverse logistics operating in the real city.

Download English Version:

https://daneshyari.com/en/article/8051391

Download Persian Version:

https://daneshyari.com/article/8051391

<u>Daneshyari.com</u>