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Lemanski

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(54) **PORTABLE HAND HELD AUTOMOBILE WINDSHIELD DE-ICER**

(76) Inventor: **Michael Lemanski**, 35 Givati St., Rishon Lezion (IL)

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Primary Examiner—John A. Jeffery
(74) *Attorney, Agent, or Firm*—Mark M. Friedman

(57) **ABSTRACT**

A hand held device is deployed adjacent to the inside surface of a window so as to remove ice from the outside surface of the window by employing infrared heat energy that melts the ice adjacent to the interface of the ice and the window. As the ice adjacent to that interface is melted, the remaining unmelted ice is free to slide away. The device is moved across the inside of the window, thereby removing the ice from substantially the entire outside surface of the window. The device may be closed for transportation, and opened for use. It also includes a normally "off" safety switch to activate the infrared heat energy source.

5 Claims, 6 Drawing Sheets

