



(12) **United States Patent**  
**Erlandsson-Warvelin et al.**

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(54) **CONTROL METHOD FOR MACHINES,  
INCLUDING A SYSTEM, COMPUTER  
PROGRAM, DATA SIGNAL AND GUI**

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(57) **ABSTRACT**

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700/245; 901/7; 901/8

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See application file for complete search history.

A method for controlling a group of machines such as robots or pick and place machines to pick up an item from a first position and place the item in a second position. Information from a sensor about the location of the first position is provided to a control member, which sends a message from a master process to all machines. The message includes a list of all first positions. The machines dynamically and adaptively handle each of the first positions and inform the master process when each first position is handled. The master process in turn informs all machines that a given first position has been handled. A system, a computer program and a graphical user interface are also described.

**15 Claims, 13 Drawing Sheets**

