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Natarajan; 3524 Grand Mesa Drive, Plano, TX 75025-6618 (US). SRISKANDARAJAH, Chelliah; 612 Snead Drive, Plano, TX 75025-6145 (US).

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(74) Agent: JOHNSON, Jay, B.; Baker & Botts, LLP, Suite 600, 2001 Ross Avenue, Dallas, TX 75201-2980 (US).

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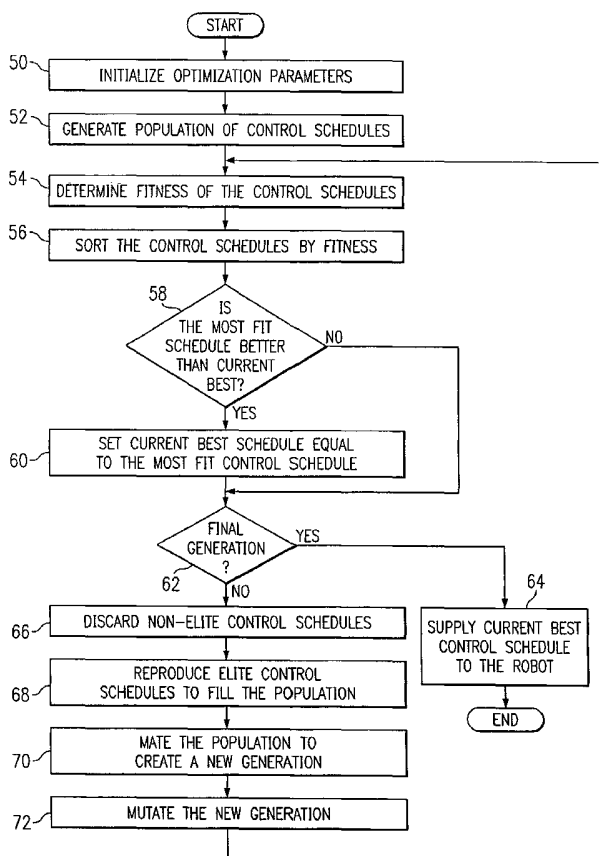
(71) Applicant: FSI INTERNATIONAL [US/US]; 600 Millennium Drive, Allen, TX 75013 (US).

(72) Inventors: KUMAR, Subodha; 2400 Waterview Parkway #1011, Richardson, TX 75080-2265 (US). RAMANAN,

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(54) Title: ROBOTIC SYSTEM CONTROL



(57) Abstract: In an automated processing system, a system controller uses a meta-heuristic technique for identifying an optimal or near-optimal control schedule for controlling movements and operations of a robot. In particular embodiments, the system controller uses a genetic algorithm to breed a control schedule for the robot. In particular embodiments, the system controller dynamically updates the control schedule based on system operation.



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## INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER  
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## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

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## C. DOCUMENTS CONSIDERED TO BE RELEVANT

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A	US 5 801 945 A (COMER MICHAEL R) 1 September 1998 (1998-09-01) the whole document ---	1, 11, 21
A	US 5 774 632 A (KASKE ALEXANDER) 30 June 1998 (1998-06-30) the whole document ---	1, 11, 21
A	WO 00 79356 A (BABIKIAN DIKRAN S ; OH HILARIO (US); SILICON VALLEY GROUP (US)) 28 December 2000 (2000-12-28) the whole document ---	1, 11, 21
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Name and mailing address of the ISA

European Patent Office, P.B. 5618 Patentlaan 2  
 NL - 2280 HV Rijswijk  
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
 Fax: (+31-70) 340-3016

Authorized officer

Hauser, L

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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