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- (71) **Applicant: SOUL MACHINES LIMITED** [NZ/NZ]; L1, 106 Customs St West, Auckland 1010 (NZ).
- (72) **Inventors: HUTTON, Jo;** 1A Plunket Road Mount Eden, Auckland (NZ). **SAGAR, Mark;** 7 Takarunga Road Devonport, Auckland (NZ). **WANG, Amy;** Flat 2 36 Latham Avenue Pakuranga, Auckland 2010 (NZ). **CLARK-YOUNGER, Hannah;** c/o Soul Machines - L1, 106 Customs St, Auckland (NZ). **MARCON, Kirstin;** c/o Soul Machines - L1, 106 Customs St, Auckland (NZ). **SKINNER, Paige;** c/o Soul Machines - L1, 106 Customs St, Auckland (NZ). **BLACKETT, Shane;** c/o Soul Machines - L1, 106 Customs St, Auckland (NZ). **ROTA, Teah;** c/o Soul Ma-

chines - L1, 106 Customs St, Auckland (NZ). **SZU-HSIEN WU, Tim;** c/o Soul Machines - L1, 106 Customs St, Auckland (NZ). **SAXENA, Utkarsh;** c/o Soul Machines - L1, 106 Customs St, Auckland (NZ). **ZHANG, Xueyuan;** c/o Soul Machines - L1, 106 Customs St, Auckland (NZ). **WATSON-SMITH, Hazel;** 9B Fleet Street Eden Terrace, Auckland (NZ). **BIDDLE, Travers;** 240 West Hoe Heights, Orewa, Auckland (NZ). **PERRY, Emma;** Unit 4/169 Jervois Rd, Auckland (NZ).

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- (54) **Title:** AUTONOMOUS ANIMATION IN EMBODIED AGENTS

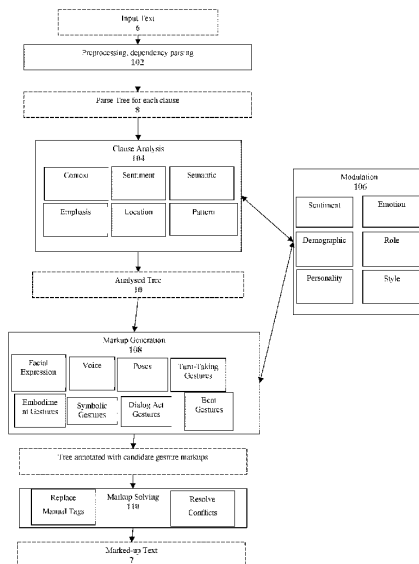


FIGURE 1

(57) **Abstract:** Embodiments described herein relate to the autonomous animation of Gestures by the automatic application of animations to Input Text – or the automatic application of animation Mark-up wherein the Mark-up triggers nonverbal communication expressions or Gestures. In order for an Embodied Agent's movements to come across as natural and human-like as possible, a Text-To-Gesture Algorithm (TTG Algorithm) analyses Input Text of a Communicative Utterance before it is uttered by a Embodied Agent, and marks it up with appropriate and meaningful Gestures given the meaning, context, and emotional content of Input Text and the gesturing style or personality of the Embodied Agent.

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