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(71) Applicant: SOUL MACHINES LIMITED [NZ/NZ]; L1,
106 Customs St West, Auckland, 1010 (NZ).

(72) Inventors: CONDER, Jonathan; C/O L1 106 Customs St
West, Auckland (NZ). NEJATI, Alireza; C/O L1 106 Cus-

toms St West, Auckland (NZ). PAGES, Nathan; C/O L1
106 Customs St West, Auckland (NZ).

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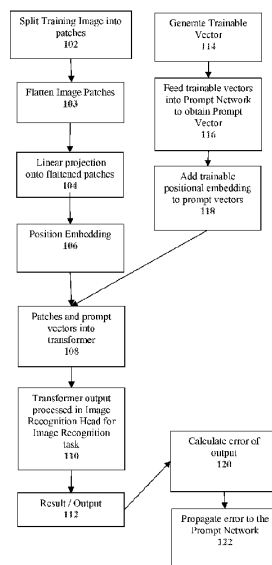


FIGURE 1

(57) Abstract: Visual Prompt Tuning provides fine-tuning for transformer-based vision models. Prompt Vectors are added as additional inputs to Vision Transformer models, alongside image patches which have been linearly projected and combined with a positional embedding. The transformer architecture allows prompts to be optimized using gradient descent, without modifying or removing any of the Vision Transformer parameters. A Image Recognition System with Visual Prompt Tuning improves a pre-trained vision model by adapting the pre-trained vision model to downstream tasks by tuning the pretrained vision model using a visual prompt.

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