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(71) Applicant: NATIONAL UNIVERSITY OF SINGAPORE [SG/SG]; 21 Lower Kent Ridge Road, Singapore 119077 (SG).

(72) Inventors: LIM, Brian, Youliang; c/o National University of Singapore, School of Computing / Department of Computer Science, 21 Lower Kent Ridge Road, Singapore 119077 (SG). ZHANG, Wencan; c/o National University of Singapore, School of Computing / Department of Computer Science, 21 Lower Kent Ridge Road, Singapore 119077 (SG).

(74) Agent: SPRUSON & FERGUSON (ASIA) PTE LTD; P.O. Box 1531, Robinson Road Post Office, Singapore 903031 (SG).

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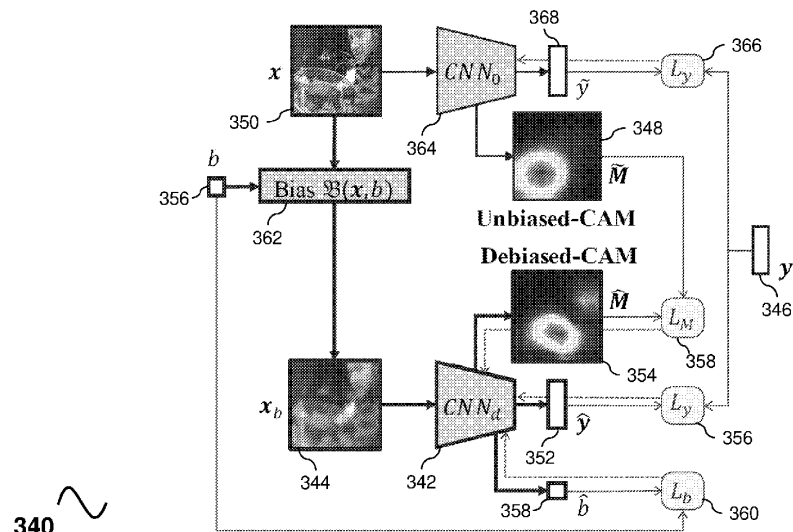


FIG. 3f

(57) Abstract: A method and a system for training a neural network. The method includes receiving, by a processing device, a training image, a reference label and a reference class activation map, the reference label and the reference class activation map associated with a corresponding unbiased image of the training image and generating, using the processing device, a class label and a class activation map based on the training image using the neural network. The method also includes calculating, using the processing device, a classification loss value based on differences between the reference label and the class label, and a class activation map loss value based on differences between the reference class activation map and the class activation map and updating, using the processing device, the neural network to minimise the classification loss value and the class activation map loss value to improve accuracy of the neural network in generation of the class label and the class activation map.

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