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(54) Title: METHOD AND SYSTEM FOR DETECTING A LANE

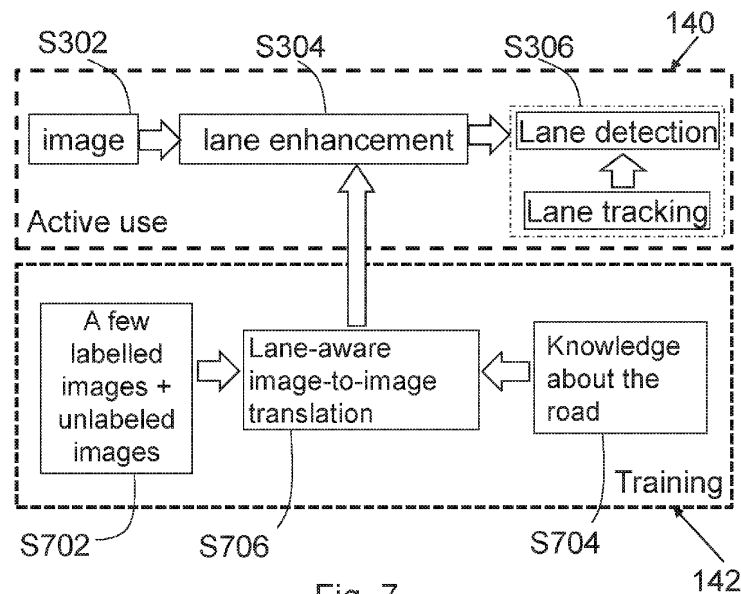


Fig. 7

(57) **Abstract:** Method and system for detecting a lane are provided herein. In an embodiment, the method comprises: receiving one or more source detecting images captured by an image capturing device (102) at step S302, the or each of the source detecting images including a source road region having lane features; generating a translated source image corresponding to each of the one or more source detecting images by using a lane feature enhancement module (122) at step S304, with the lane features of the source road region being enhanced in the translated source image; and detecting the lane from the translated source image at S306; wherein the lane feature enhancement module (122) is trained by a plurality of training images and comprises a generator network, to: identify a road region (136) of a corresponding training image of the plurality of training images, translate the road region (136) of the corresponding training image to a translated road region to minimize a loss function that quantifies a dissimilarity between the road region (136) and the translated

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road region to generate the translated source image. A method of training the lane feature enhancement module (122) is also disclosed.