

Title (en)  
CONVERTING INPUT IMAGE DATA FROM A PLURALITY OF VEHICLE CAMERAS OF A SURROUND-VIEW SYSTEM INTO OPTIMISED OUTPUT IMAGE DATA

Title (de)  
UMWANDLUNG VON EINGANGS-BILDDATEN EINER MEHRZAHL VON FAHRZEUGKAMERAS EINES RUNDUMSICHTSYSTEMS IN OPTIMIERTE AUSGANGS-BILDDATEN

Title (fr)  
CONVERSION DE DONNÉES IMAGE D'ENTRÉE D'UNE PLURALITÉ DE CAMÉRAS DE VÉHICULE D'UN SYSTÈME À VISIBILITÉ PÉRIPHÉRIQUE EN DONNÉES IMAGE DE SORTIE OPTIMISÉES

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Application  
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Abstract (en)  
[origin: WO2021121491A2] The invention relates to a machine learning method, to a method and to a device for converting input image data (Ini) from a plurality of vehicle cameras (2-i) of a surround-view system into optimised output image data (Opti). The method for converting input image data from a plurality of vehicle cameras (2-i) of a surround-view system into optimised output image data comprises the following steps: a) input image data (Ini) captured by the vehicle cameras (2-i) and having a current brightness or colour distribution are provided to a trained artificial neural network (CNN1, CNN10, CNN11, CNN12); b) the trained artificial neural network (CNN1, CNN10, CNN11, CNN12) is configured to convert the input image data (Ini) having the current brightness or colour distribution into optimised output image data (Opti) having different output brightness or colour distribution; and c) the trained artificial neural network (CNN1, CNN10, CNN11, CNN12) is configured to output the output image data (Opti).

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