Title (en)
REAL-TIME DEPLOYMENT OF MACHINE LEARNING SYSTEMS

Title (de)
ECHTZEIT-EINSATZ VON MASCHINENLERNSYSTEMEN

Title (fr)
DÉPLOIEMENT EN TEMPS RÉEL DE SYSTÈMES D'APPRENTISSAGE AUTOMATIQUE

Publication
EP 3998931 A1 20220525 (EN)

Application
EP 19937726 A 20190716

Priority
US 2019041945 W 20190716

Abstract (en)
[origin: WO2021010985A1] Methods, systems, and apparatus, including computer programs encoded on computer storage media, for real-time deployment of machine learning systems. One of the operations is performed by the system receiving video data from a video image capturing device. The received video data is converted into multiple video frames. These video frames are encoded into a particular color space format. The system renders a first display output depicting imagery from the multiple encoded video frames. The system performs an inference on the video frames using a machine learning network to determine the occurrence of one or more objects in the video frames. The system renders a second display output depicting graphical information corresponding to the determined one or more objects from the multiple encoded video frames. The system then generates a composite display output including the imagery of the first display output overlaid with the graphical information of the second display output.

IPC 8 full level
A61B 1/05 (2006.01); **A61B 8/00** (2006.01); **G16H 30/00** (2018.01); **G16H 30/20** (2018.01); **G16H 30/40** (2018.01)

CPC (source: EP US)
A61B 1/000094 (2022.02 - EP US); **A61B 1/000096** (2022.02 - EP US); **G06F 3/1438** (2013.01 - EP); **G06T 7/0012** (2013.01 - EP); **G06V 20/80** (2022.01 - EP); **G16H 30/20** (2017.12 - EP); **G16H 30/40** (2017.12 - EP); **G16H 40/63** (2017.12 - EP); **G16H 40/67** (2017.12 - EP); **G16H 50/20** (2017.12 - EP); G06T 2207/10024 (2013.01 - EP); G06T 2207/10068 (2013.01 - EP); G06T 2207/20081 (2013.01 - EP); G06T 2207/20084 (2013.01 - EP); G06T 2207/30028 (2013.01 - EP); G06V 2201/032 (2022.01 - EP); G09G 2360/06 (2013.01 - EP); G09G 2380/08 (2013.01 - EP)

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