Title (en)
CONTRAST AND ENTROPY BASED PERCEPTION ADAPTATION USING PROBABILISTIC SIGNAL TEMPORAL LOGIC BASED OPTIMIZATION

Title (de)
KONTRAST- UND ENTROPIEBASIERTE WAHRNEHMUNGSANPASSUNG UNTER VERWENDUNG VON PROBABILISTISCHER ZEITLICHER LOGIKBASIERTER OPTIMIERUNG

Title (fr)
ADAPTATION DE LA PERCEPTION SUR LA BASE DU CONTRASTE ET DE L'ENTROPIE UTILISANT UNE OPTIMISATION BASÉE SUR UNE LOGIQUE TEMPORELLE À SIGNAL PROBABILISTE

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EP 4115319 A1 20230111 (EN)

Application
EP 20842899 A 20201223

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- US 2020066972 W 20201223

Abstract (en)
[origin: WO2021178027A1] Described is a system for contrast and entropy-based perception adaption to optimize perception. The system is operable for receiving an input image of a scene with a camera system and detecting one or more objects (having perception data) in the input image. The perception data of the one or more objects is converted into probes, which are then converted into axioms using probabilistic signal temporal logic. The axioms are evaluated based on probe bounds. If the axioms are within the probe bounds, then results are provided; however, if the axioms are outside of the probe bounds, the system estimates optimal contrast bounds and entropy bounds as perception parameters. The contrast and entropy in the camera system are then adjusted based on the perception parameters.

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CPC (source: EP US)
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Citation (search report)
See references of WO 2021178027A1

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