

Title (en)
SYSTEM FOR THE AUTOMATED AWARDING OF SCORES IN MARTIAL ARTS

Title (de)
SYSTEM ZUR AUTOMATISIERTEN WERTUNGSVERGABE BEI KAMPFSPORTARTEN

Title (fr)
SYSTÈME POUR L'ATTRIBUTION AUTOMATISÉE DE SCORES DANS LES ARTS MARTIAUX

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Application
EP 22740756 A 20220629

Priority

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Abstract (en)
[origin: WO2023004445A1] The invention relates to a system (1) for the automated awarding of scores in martial arts, said system comprising: at least one impact glove (4) for measuring impact force data occurring during an impact; at least one camera (5), preferably at least four cameras (5), for recording images of at least one athlete (2); a body segment detection module (6) connected to the camera or cameras (5) for determining body segment data (7) of the athlete (2) from the images (B) recorded by the camera or cameras (5); a rule set module (9) in which at least one rule set of a predefined martial art is stored; an evaluation unit (8) which is connected to the impact glove (4) and to the body segment detection module (6) and to the rule set module (9); the evaluation unit (8) being designed to output a score at an output (10) in a fully automatic manner if both the impact force measured by the impact glove (4) and the body segment data (7) determined by the body segment detection module (6) lead to a score that is in accordance with the rule set.

IPC 8 full level
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