

Title (en)
OPTICAL SENSING TARGET

Title (de)
OPTISCHES ABTASTZIEL

Title (fr)
CIBLE DE DÉTECTION OPTIQUE

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Application
EP 18170103 A 20180430

Priority
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Abstract (en)
An optical sensing target is disclosed. The optical sensing target includes a target (20), an optical matrix sensor (10) and a computation controller (60). The target is configured to be aimed and shot by a shooting object such as arrow or dart, and the shooting object can be attached on the target. The optical matrix sensor is disposed around the target by a plurality of frame, and a plurality of light emitting devices and light receiving devices are disposed in the frames, respectively. The optical matrix sensor can output the location information relevant to attachment of the shooting object. The computation controller receives the location information of the optical matrix sensor, and process the projection image and the location information in cooperation with a projector. As a result, the optical sensing target of the present invention can be programmed to provide various training modes, game modes or competition modes.

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Citation (search report)
• [XY] US 5577733 A 19961126 - DOWNING DENNIS L [US]
• [XAY] EP 1832836 A1 20070912 - SEGA CORP [JP]
• [X] DE 202017101091 U1 20170419 - MEYTON ELEKTRONIK GMBH [DE]
• [XA] US 2016054103 A1 20160225 - MACHER DAVID [US]

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