

Title (en)  
AUTOMATIC DIAMETER DETERMINATION OF COINS

Title (de)  
AUTOMATISCHE DURCHMESSERERMITTLUNG VON MÜNZEN

Title (fr)  
DÉTERMINATION AUTOMATIQUE DU DIAMÈTRE DE PIÈCES DE MONNAIE

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Application  
**EP 09744101 A 20091006**

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Abstract (en)  
[origin: WO2010040751A1] The invention relates to a device for recognizing coins and coin-like material to be conveyed (4) using at least one light source (6,7) and at least one light detector (3), and a conveyor (1) for transporting the individualized conveyed material (4), wherein the conveyor (1) runs in a recognition zone between the at least one light source (6,7) and the at least one light detector (3), wherein according to the invention the at least one light source (6,7) is a light source (6,7) for diverging light beams, and the at least one light detector (3) has a cellular detection zone parallel to the direction of travel (R), wherein the conveyor (1) comprises a centering device for centrally aligning the conveyed material (4) relative to the cellular detector zone. Also proposed is a method in which the diameter (D) of the conveyed material (4) is illuminated by light sources (6) for diverging light in the direction of travel (R) and projected onto the at least one light detector (3), wherein the illuminated diameter (D) is measured multiple times and determined through a subsequent averaging step.

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