

Title (en)  
Method and apparatus for the elctro-optical scanning of (cigarette) packs

Title (de)  
Verfahren und Vorrichtung zum elektro-optischen Abtasten von (Zigaretten-)Packungen

Title (fr)  
Procédé et dispositif de lecture électro-optique de paquets (de cigarettes)

Publication  
**EP 0509270 B1 19960828 (DE)**

Application  
**EP 92105019 A 19920324**

Priority  
DE 4112263 A 19910415

Abstract (en)  
[origin: EP0509270A2] 2. In order to test (cigarette) packs (10) with respect to correct external appearance, electro-optical test elements are used, namely a camera (48) and mirror (49) in order to image the outsides of the pack (10). In order to correctly and simultaneously detect all the sides of the pack, the packs (10) are detected in the region of a test station (20) only in the region of two sides aligned diametrically opposite one another, specifically in the region of the short transverse edges (17, 18). As a result, the sides of the pack remain clear so that they can be scanned or photographed by correspondingly positioned cameras or camera and a mirror. <?>The transverse edges (17, 18) are supported on conveying strands (37, 38) of appropriately obliquely positioned conveying straps (35, 36). <IMAGE>

IPC 1-7  
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IPC 8 full level  
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CPC (source: EP US)  
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**EP 0509270 A2 19921021**; **EP 0509270 A3 19930707**; **EP 0509270 B1 19960828**; BR 9201377 A 19921201; DE 4112263 A1 19921022; DE 59206975 D1 19961002; JP H06288742 A 19941018; JP H0830649 B2 19960327; US 5240117 A 19930831

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