

Title (en)  
APPARATUS AND METHOD FOR INSPECTING GLASS SHEETS

Publication  
**EP 0388454 A4 19930512 (EN)**

Application  
**EP 89910295 A 19890818**

Priority  
US 23721688 A 19880826

Abstract (en)  
[origin: WO9002310A1] A pair of bent glass sheets (28, 29) are supported along a peripheral edge portion (26) in a nesting fixture (20) below a gap detector (21) for detecting "good" and "bad" nested pairs of glass sheets. The gap detector includes a laser beam source (34) for directing a light beam (35) at an outer surface of the nested sheets in a line generally perpendicular to a longitudinal axis of the sheets. A reflected beam (39) from the surface of the sheets is sensed by a row of cameras (43) which generate an image of the contours of the sheets. The image is compared with predetermined limits to detect unacceptable gaps between the sheets or unacceptable contour deviations.

IPC 1-7  
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IPC 8 full level  
**G01B 11/245** (2006.01); **G01B 11/30** (2006.01); **G01N 21/84** (2006.01)

CPC (source: EP KR)  
**G01B 11/245** (2013.01 - EP); **G01B 11/30** (2013.01 - KR); **G01B 11/303** (2013.01 - EP)

Citation (search report)  
• [A] US 4255055 A 19810310 - SCHAVE RICHARD D  
• [A] US 3736065 A 19730529 - CUSHING C J, et al  
• PATENT ABSTRACTS OF JAPAN vol. 7, no. 138 (P-204)(1283) 16 June 1983 & JP-A-58 52 504 ( NIHON ITA GLASS K.K. ) 28 March 1983  
• See references of WO 9002310A1

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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**US 8903566 W 19890818**; AU 4207789 A 19890818; BR 8907064 A 19890818; EP 89910295 A 19890818; ES 8902939 A 19890825; FI 902098 A 19900426; JP 50934689 A 19890818; KR 900700836 A 19900425; ZA 896509 A 19890825