

Title (en)

AUTOMATIC FILTER CHANGER FOR USE ON SURFACE MOUNTER INSPECTION CAMERA

Title (de)

AUTOMATISCHE FILTERAUSWECHSLUNG ZUM GEBRAUCH MIT EINER INSPEKTIONSKAMERAVORRICHTUNG EINER OBERFLÄCHENMONTIERUNGSEINRICHTUNG

Title (fr)

CHANGEUR AUTOMATIQUE DE FILTRE DESTINE A UNE CAMERA D'INSPECTION D'UN APPAREIL DE MONTAGE EN SURFACE

Publication

EP 1438883 A1 20040721 (EN)

Application

EP 02772667 A 20020930

Priority

- IB 0204046 W 20020930
- US 97096001 A 20011004
- US 2478801 A 20011219

Abstract (en)

[origin: WO03032705A1] A printed circuit board assembly machine inspects circuit boards and parts to be mounted on those circuit boards prior to assembly. This assembly machine may visualize and recognize physical features of the circuit boards and parts as part of this inspection. A filter may be deployed while visualizing certain types of circuit boards or parts to remove characteristic defects found in images of those types of parts. When several types of circuit boards or parts inspected by the assembly machine exhibit different characteristic visualization problems, the assembly machine may deploy a different filter for each type of circuit board or part.

IPC 1-7

H05K 13/04

IPC 8 full level

G06T 1/00 (2006.01); **H05K 13/04** (2006.01); **H05K 13/08** (2006.01)

CPC (source: EP)

H05K 13/0812 (2018.07)

Citation (search report)

See references of WO 03032705A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)

WO 03032705 A1 20030417; CN 1561659 A 20050105; EP 1438883 A1 20040721; JP 2005505942 A 20050224

DOCDB simple family (application)

IB 0204046 W 20020930; CN 02819389 A 20020930; EP 02772667 A 20020930; JP 2003535520 A 20020930