

Title (en)

CT TARGET DETECTION USING SURFACE NORMALS

Title (de)

C.T.-ZIELDETEKTION MITTELS OBERFLÄCHENNORMALEN

Title (fr)

DETECTION DE CIBLE PAR TOMOGRAPHIE ASSISTEE PAR ORDINATEUR AU MOYEN DES NORMALES A LA SURFACE

Publication

EP 1019708 A4 20010110 (EN)

Application

EP 98948102 A 19980904

Priority

- US 9818515 W 19980904
- US 94893797 A 19971010
- US 94892897 A 19971010
- US 94892997 A 19971010
- US 94912797 A 19971010

Abstract (en)

[origin: WO9919716A1] CT (120) baggage (112) inspection with a throughput on order of 700 bags (112) per hour is achieved by excluding unrelated data from reconstruction. By using a threshold, calibration "air scans" can be performed with objects such as the system conveyor (110) in the field of view. The scanner identifies object shape to better detect sheet explosives. The system compensated for dark currents and temperature dependent current offsets.

IPC 1-7

G01N 23/04; **G01V 5/00**

IPC 8 full level

G01N 23/04 (2006.01); **G01B 15/02** (2006.01); **G01V 5/00** (2006.01)

CPC (source: EP)

G01V 5/226 (2024.01)

Citation (search report)

No further relevant documents disclosed

Designated contracting state (EPC)

DE GB NL

DOCDB simple family (publication)

WO 9919716 A1 19990422; AU 9474298 A 19990503; CN 1276870 A 20001213; EP 1019708 A1 20000719; EP 1019708 A4 20010110; JP 2001520376 A 20011030; JP 2004347606 A 20041209

DOCDB simple family (application)

US 9818515 W 19980904; AU 9474298 A 19980904; CN 98810020 A 19980904; EP 98948102 A 19980904; JP 2000516219 A 19980904; JP 2004206125 A 20040713