

Title (en)  
IMAGE ANALYSIS SYSTEM.

Title (de)  
BILDANALYSESYSTEM.

Title (fr)  
SYSTEME D'ANALYSE D'IMAGE.

Publication  
**EP 0087442 A4 19860821 (EN)**

Application  
**EP 82902666 A 19820908**

Priority  
AU PF071281 A 19810910

Abstract (en)  
[origin: WO8300972A1] Image analysing method and system, and in particular method and system for analysing X-ray radioscopic images of the contents of an article of mail to detect the presence of Improvised Explosive Devices (IED's). The system comprises a CCTV camera to scan said image and provide signals indicative of the intensity of the image at any particular point, means to process said signals and provide an indication of when the signal makes a transition through a predetermined threshold level and also the duration of any signal whose threshold varies from the, or each, said predetermined level as a measure of the extent of dark or light areas on the image, and means automatically activated in response thereto for processing said signals to apply a pattern recognition technique and including a Transition Position Encoder, a High Speed RAM Buffer Circuit, a Direct Memory Access Circuit (DMA) all incorporated with a Single Board Computer (SBC).

IPC 1-7  
**H04N 7/18**; H04N 5/32; G06K 9/46; G06K 9/80

IPC 8 full level  
**G01V 5/00** (2006.01); **G06T 7/00** (2017.01); **G06V 10/20** (2022.01); **H04N 7/18** (2006.01); **G06V 10/28** (2022.01); **G06V 10/40** (2022.01); **G01N 33/00** (2006.01)

CPC (source: EP US)  
**G01V 5/20** (2024.01 - EP); **G06T 7/00** (2013.01 - EP US); **G06V 10/20** (2022.01 - EP US); **G06V 10/28** (2022.01 - EP US); **G06V 10/40** (2022.01 - EP US); **G01N 2033/0081** (2013.01 - EP)

C-Set (source: EP US)  
**G06V 10/20** + **G06V 10/28** + **G06V 10/40**

Citation (search report)  
• [Y] US 4183013 A 19800108 - AGRAWALA ASHOK K [US], et al  
• [A] EP 0025760 A1 19810325 - COMMISSARIAT ENERGIE ATOMIQUE [FR]  
• [Y] ELECTRO CONFERENCE RECORD, vol. 4, no. 18/3, 24th-26th April 1979, pages 1-13, US; W.T. BISIGNANI et al.: "Automated X-ray bomb detection techniques

Designated contracting state (EPC)  
BE CH DE FR GB LI NL SE

DOCDB simple family (publication)  
**WO 8300972 A1 19830317**; EP 0087442 A1 19830907; EP 0087442 A4 19860821; IT 1155238 B 19870121; IT 8249094 A0 19820909; JP S58501445 A 19830825

DOCDB simple family (application)  
**AU 8200152 W 19820908**; EP 82902666 A 19820908; IT 4909482 A 19820909; JP 50267482 A 19820908