

Title (en)

SENSOR DEVICE FOR A PACKAGING MACHINE

Title (de)

SENSORVORRICHTUNG EINER VERPACKUNGSMASCHINE

Title (fr)

DISPOSITIF DE DETECTION POUR MACHINE D'EMBALLAGE

Publication

EP 1868893 A1 20071226 (DE)

Application

EP 06708439 A 20060222

Priority

- EP 2006060164 W 20060222
- DE 102005016124 A 20050408

Abstract (en)

[origin: WO2006106012A1] The invention relates to a sensor device for a packaging machine. Said device comprises at least one conveyor means (21, 32) of a packaging machine (18), which displaces at least one material (19), which is to be packed and to be detected, to various stations (1 - 12) of the packaging machine (18). According to the invention, at least one x-ray source (33) and one detector (37) are provided for irradiating the material (19) which is to be detected and which is arranged between the x-ray source (33) and the detector (37).

IPC 8 full level

A61J 3/07 (2006.01); **B65B 1/30** (2006.01); **G01N 23/10** (2006.01)

CPC (source: EP US)

A61J 3/074 (2013.01 - EP US); **B65B 1/48** (2013.01 - EP US)

Citation (search report)

See references of WO 2006106012A1

Cited by

CN104666088A; CN104586635A

Designated contracting state (EPC)

CH DE ES FR GB IT LI

DOCDB simple family (publication)

WO 2006106012 A1 20061012; DE 102005016124 A1 20061012; DE 502006006895 D1 20100617; EP 1868893 A1 20071226;
EP 1868893 B1 20100505; ES 2343857 T3 20100811; JP 2008538003 A 20081002; US 2008134629 A1 20080612; US 7792247 B2 20100907

DOCDB simple family (application)

EP 2006060164 W 20060222; DE 102005016124 A 20050408; DE 502006006895 T 20060222; EP 06708439 A 20060222;
ES 06708439 T 20060222; JP 2008504717 A 20060222; US 90842606 A 20060222