

Title (en)
Method and apparatus for the automatical identification of semi-finished products

Title (de)
Verfahren und Vorrichtung zum automatisierten Erkennen von Halbzeug

Title (fr)
Procédé et dispositif pour l'identification automatique de demi-produits

Publication
EP 1524047 B1 20070214 (DE)

Application
EP 03023365 A 20031016

Priority
EP 03023365 A 20031016

Abstract (en)
[origin: EP1524047A1] Process for automatic recognition of semifinished products, e.g. strand sections (sic), following a cutting station of an extrusion unit, especially for identification in a subsequent sorting station, involving a digital picture of an optically recognizable separation and strand section specific surface characteristics using a first camera with data bank storage and a second camera for identification and sorting at the sorting site. An independent claim is included for a device for automatic recognition of the strand sections including two cameras as above.

IPC 8 full level
B22D 11/12 (2006.01); **B21C 51/00** (2006.01)

CPC (source: EP KR US)
B21C 51/00 (2013.01 - KR); **B21C 51/005** (2013.01 - EP US); **B22D 11/12** (2013.01 - EP KR US)

Cited by
EP3521751A1; AU2008228507B2; DE102008030183A1; DE102008030183B4; WO2019149830A1; WO2008113579A1; EP1972930B1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1524047 A1 20050420; EP 1524047 B1 20070214; AT E353724 T1 20070315; BR PI0415303 A 20061205; BR PI0415303 B1 20120124; CA 2541851 A1 20050428; CA 2541851 C 20090120; CN 100379508 C 20080409; CN 1867415 A 20061122; DE 50306522 D1 20070329; DK 1524047 T3 20070611; ES 2279046 T3 20070816; JP 2007508150 A 20070405; JP 4722854 B2 20110713; KR 101140593 B1 20120502; KR 20070008515 A 20070117; PT 1524047 E 20070531; SI 1524047 T1 20070831; US 2006204108 A1 20060914; US 7515755 B2 20090407; WO 2005037462 A1 20050428; ZA 200602990 B 20071128

DOCDB simple family (application)
EP 03023365 A 20031016; AT 03023365 T 20031016; BR PI0415303 A 20041005; CA 2541851 A 20041005; CN 200480030286 A 20041005; DE 50306522 T 20031016; DK 03023365 T 20031016; EP 2004011073 W 20041005; ES 03023365 T 20031016; JP 2006534637 A 20041005; KR 20067007084 A 20041005; PT 03023365 T 20031016; SI 200330792 T 20031016; US 27981706 A 20060414; ZA 200602990 A 20060411