

Title (en)
Device and method for measuring the thickness of postal objects

Title (de)
Vorrichtung und Verfahren zur Dickenmessung von Postgut

Title (fr)
Dispositif et procédé pour mesurer l'épaisseur des objets postaux

Publication
EP 2476491 A1 20120718 (EN)

Application
EP 11425009 A 20110118

Priority
EP 11425009 A 20110118

Abstract (en)
A method for measuring the thickness of plane rectangular postal objects comprising the steps of: - performing a first step of measurement (30) of the thickness of a postal object (7), in which the postal object (7) is in an uncompressed condition where no force is applied on the opposite faces of the postal object, detecting a first thickness value S1; - performing a second step of measurement (35) of the thickness of the postal object in which the postal object (7) is in a compressed condition where a force is exerted on opposite faces of the postal object (7), detecting at least one second thickness value S2; - comparing (200) the first thickness value S1 with the second thickness value S2 for detecting postal objects that may be compressed considerably (210) and postal objects that are substantially incompressible (230); - using the first thickness value S1, the second thickness value S2 or a combination of the first value and of the second value as measurement (220) of the thickness of the postal object in the case where the postal object has been detected as being substantially incompressible; and - using the result of the multiplication between a compression factor k and the first thickness value S1 or else the second thickness value S2, or else a mathematical function # calculated on the basis of the first thickness value S1 and of the second thickness value S2 in the case where the postal object has been detected as being considerably compressible.

IPC 8 full level
B07C 1/00 (2006.01)

CPC (source: EP)
B07C 1/00 (2013.01)

Citation (search report)
• [E] EP 2298457 A1 20110323 - ELSAG DATAMAT SPA [IT]
• [A] EP 1860049 A1 20071128 - PITNEY BOWES INC [US]

Cited by
US9346170B2; US9346169B2; US9802720B2; US11059185B2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2476491 A1 20120718; EP 2476491 B1 20130918; ES 2439077 T3 20140121

DOCDB simple family (application)
EP 11425009 A 20110118; ES 11425009 T 20110118