

Title (en)

Method and device for separating film layers and device for welding inserts

Title (de)

Verfahren und Vorrichtung zum Trennen von Folienlagen sowie Anlage zum Verschweissen eines Einlegstücks

Title (fr)

Procédé et dispositif destinés à la séparation de couches de film et installation de soudage d'une pièce d'insertion

Publication

**EP 1947045 A3 20120104 (DE)**

Application

**EP 08000710 A 20080116**

Priority

DE 102007003342 A 20070117

Abstract (en)

[origin: EP1947045A2] The method involves moving foil e.g. double-wound foil, layers i.e. laterally open foil layers, relative to each other, and weakening a cross section of one of the foil layers in an upstream step. Foil layers are cut in the upstream step by a cutter or a laser and are fixed on a side during separation of the foil layers by relative motion. The foil layers are partially welded before the separation, and the relative motion takes place by bending via a roll and an eccentric tappet and a wedge. Independent claims are also included for the following: (1) a device for separation of foils (2) a system for welding an insertion piece (3) a method for manufacturing a product.

IPC 8 full level

**B65H 41/00** (2006.01)

CPC (source: EP US)

**B65H 41/00** (2013.01 - EP US)

Citation (search report)

- [XII] EP 0726222 A2 19960814 - SEIKO EPSON CORP [JP], et al
- [XAI] US 4334399 A 19820615 - ONISHI MASAMI
- [XA] DE 4315685 A1 19941110 - PLUEMAT PLATE & LUEBECK GMBH & CO [DE]
- [XA] EP 0142880 A1 19850529 - COLPITT BV [NL]
- [XA] US 4173510 A 19791106 - TOBEY FREDERIC S [US]
- [XA] DE 10247769 A1 20040429 - FRESENIUS MEDICAL CARE DE GMBH [DE]
- [XA] DE 19510669 A1 19961002 - P S SPEZIAL MASCHF GMBH [DE]
- [A] EP 0719620 A2 19960703 - SEIKO EPSON CORP [JP], et al

Cited by

EP3078432A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

**EP 08000710 A 20080116**; US 911908 A 20080116