Title (en)

METHOD FOR SEPARATING WIRES OR STRIPS FROM WIRE STRIPS OR STRIP WIRES AND DEVICE FOR CARRYING OUT SAID METHOD

Title (de)

VERFAHREN ZUR VEREINZELUNG VON DRÄHTEN ODER BÄNDERN AUS DRAHTADER- BZW. BANDADERBÄNDERN SOWIE VORRICHTUNG ZUR DURCHFÜHRUNG DES VERFAHRENS

Title (fr)

PROCÉDÉ POUR SÉPARER DES FILS OU DES BANDES DE BANDES DE BRINS DE FIL OU DE BANDE ET DISPOSITIF POUR EXÉCUTER CE PROCÉDÉ

Publication

EP 2464472 A1 20120620 (DE)

Application

EP 10744849 A 20100707

Priority

- DE 102009037558 A 20090813
- DE 2010000786 W 20100707

Abstract (en)

[origin: WO2011018064A1] The invention relates to a method for separating wires or strips from wire strips or strip wires, starting from a wire strip consisting of a plurality of wires (1) which are arranged parallel to each other. In that in order to form the wires (1) of the wire strip, initially a metal strip is notched on either one or both sides. The wires (1) still connected to webs after notching are subjected to a tumbling process in order to subsequently reshape the webs into thin, easy to separate separating webs which form separating surfaces that are smooth and low in burrs. As a result, each web is subjected to multiple bending deformation steps about the longitudinal axis such that incipient cracks forming the separating webs are formed in the region of the webs due to fatigue fracture. The wire strip is wound in the form of a disk or coil, layer upon layer, to form a separating strip pack (2). In order to further process individual or multiple wires (1) which are still connected together, said wires are separated on the front side of the rotatably mounted separating strip pack (2) by means of one or more roller separating blades (3) guided on a plane perpendicular to the axis of the separating strip pack (2) and fed to a post-processing installation.

IPC 8 full level

B21C 47/00 (2006.01); B21D 31/04 (2006.01); B21F 13/00 (2006.01); B23D 31/00 (2006.01)

CPC (source: EP)

B21C 47/006 (2013.01); B21F 13/00 (2013.01); B23D 31/002 (2013.01)

Citation (search report)

See references of WO 2011018064A1

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 SE SI SK SM TR

DOCDB simple family (publication)

DE 102009037558 A1 20110217; EP 2464472 A1 20120620; WO 2011018064 A1 20110217

DOCDB simple family (application)

DE 102009037558 A 20090813; DE 2010000786 W 20100707; EP 10744849 A 20100707