

Title (en)
METHOD AND MECHANISM FOR FEEDING OF WIRES, WIRE RODS, TUBES OR OTHER MATERIAL OF PRISMATIC CROSS SECTION FROM DIFFERENT FEEDING LINES TO ONE PROCESSING LINE

Title (de)
VERFAHREN UND MECHANISMUS ZUM ZUFÜHREN VON DRÄHTEN, STÄBEN, ROHREN ODER SONSTIGEN MATERIALIEN MIT PRISMATISCHEM QUERSCHNITT VON VERSCHIEDENEN ZUFÜHRLINIEN ZU EINER BEHANDLUNGSLINIE

Title (fr)
PROCEDE ET MECANISME DE POSITIONNEMENT DE FILS, TIGES FILAIRES, TUBES OU D'AUTRE MATERIAU DES SECTION TRANSVERSALE PRISMATIQUE, DE PLUSIEURS LIGNES D'ALIMENTATION SE TERMINANT EN UNE SEULE LIGNE DE TRAITEMENT

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Abstract (en)
[origin: WO03072279A1] The present invention refers to a method and a mechanism for convergence of a multitude of wires (1-4) wire rods, tubes, or other material of prismatic cross section to one particular line (00), where the material may be cut and stored or may be cut and bent or may be cut and welded or may be cut and processed in another way. The method depends on the elastic properties of metals, which can be temporarily deformed when under stress, and are restored to their original shape when the stress load is removed, as long as the stressing of the metal remains in the elastic region. Hence, during the convergence of wires, there is a minimum distance between the feeding-straightening (6-9) units and the point of convergence to a common line, which is defined by the material with the weakest elastic properties and by the locations of the feeding lines. The method can be applied to feeding lines, which are parallel with each other or not, and for feeding lines, which lie or not on the same plane.

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