

Title (en)

METHOD FOR MANUFACTURING A PIPE WITH A NOT CIRCULAR CROSS-SECTION AND DEVICE THEREFOR

Title (de)

VERFAHREN ZUM HERSTELLEN EINES ROHRES MIT EINEM NICHT KREISFÖRMIGEN QUERSCHNITT SOWIE VORRICHTUNG ZUR DURCHFÜHRUNG DES VERFAHRENS

Title (fr)

PROCEDE DE FABRICATION D'UN TUYAU DE SECTION NON CIRCULAIRE ET DISPOSITIF ASSOCIE

Publication

EP 1169150 B1 20050601 (EN)

Application

EP 00917404 A 20000421

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Abstract (en)

[origin: WO0064606A1] The objective of the invention is, in the forming of a cylindrical pipe (60) into an angular pipe (70), to manufacture an angular pipe (70) in small volumes and with high efficiency correspondent to the variety of angular pipes demanded. This invention is configured from a plurality of horizontal forming roll pairs (na, nb) and a plurality of vertical forming roll pairs (nc, nd) arranged alternately in the direction of travel (HL) of the cylindrical pipe (60), and a configuration is further adopted in which the forming rolls are divided into several groups and incorporated in a common support frame for each group, and, a control mechanism is employed to vary the positions of the rolls to the pipe using supporting frame units. By the employment of this roll position control mechanism the roll positions incorporated using the supporting frame units and roll gaps in the vertical and horizontal direction are altered, and by the passing through the altered roll gap and the application of the desired deformation to the desired cylindrical pipe (70) the desired angular pipe is formed. Using a configuration such as this, forming of the angular pipe (60) is achieved with high productivity with differing dimensions, as appropriate, from a cylindrical pipe of differing dimensions with no changing of the forming rolls at all.

IPC 1-7

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IPC 8 full level

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