

Title (en)
TUBE ROLLING PLANT AND METHOD FOR ROLLING SEAMLESS TUBES

Title (de)
ROHRWALZWERK UND VERFAHREN ZUM WALZEN VON NAHTLOSEN ROHREN

Title (fr)
LAMINOIR DE TUBE ET PROCÉDÉ DE LAMINAGE DES TUBES SANS SOUDURE

Publication
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Application
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Abstract (en)
[origin: WO2011083367A1] The invention relates to a plant for performing the rolling of seamless tubes, typically with a large diameter. The plant comprises: a furnace for heating billets produced by means of continuous casting; a piercing mill for piercing longitudinally the billets so as to obtain a pierced blank; an expanding-elongating mill for expanding the diameter of the pierced blank and for elongating the pierced blank so as to obtain a semi-finished tube; a continuous main rolling mill of the type comprising stands with two or more rolls, in which the radial position of the rolls is adjustable, for performing rolling of a tube on a retained mandrel; a fixed-roll extracting-reducing mill positioned downstream of the main rolling mill and in series therewith, the extracting-reducing mill being designed to extract the tube from the mandrel and to define a predetermined value for the diameter of the tube; a sizing mill for defining the diameter of the finished tube, the sizing mill being of the type in which the radial position of the rolls is adjustable; and a cooling bed. The plant according to the invention also comprises a by-pass line for feeding the pierced blank leaving the piercing mill directly to the main rolling mill, thereby avoiding the expanding-elongating mill.

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