

Title (en)
PILGER ROLLING TRAIN

Title (de)
PILGERWALZSTRASSE

Title (fr)
TRAIN DE LAMINAGE À PAS DE PÈLERIN

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Application
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Abstract (en)
[origin: WO2014041127A1] Rolling trains for producing a tube, with a pilger rolling mill for reducing the diameter of a hollow blank to form a tube, are known from the prior art. In this case, the individual working steps of rolling in the pilger rolling mill and, for example, annealing in a furnace after the rolling are performed at separate times, and the finished rolled tubes are initially bundled together, stored as a bundle and annealed in a closed furnace at a much later time. This procedure, referred to as bundle production, means that the production of a tube, from the reducing in the pilger rolling mill to the packaging, takes about two weeks, while the actual processing operations during these two weeks take only about two hours. Against this background, the object of the present invention is to provide a rolling train that operates continuously. To achieve this object, a pilger rolling train for producing a tube is proposed, with a pilger rolling mill for reducing the diameter of a hollow blank to form the tube, a first buffer for a number of tubes, the first buffer having a device for bundling a number of tubes together in a bundle, an annealing furnace for simultaneously annealing a number of tubes, a second buffer for a number of tubes, the second buffer for the tubes having a device for individually separating the number of tubes from a bundle, and a straightening machine for straightening the individually separated tubes one after the other, wherein the devices are arranged in the aforementioned sequence in the direction of flow of the tube and wherein an automated transporting device for the tube is respectively provided between the pilger rolling mill, the first buffer, the annealing furnace, the second buffer and the straightening machine.

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