

Title (en)  
COLD-PILGER ROLLING MILL

Title (de)  
KALTPILGERWALZANLAGE

Title (fr)  
LAMINOIR À FROID À PAS DE PÈLERIN

Publication  
**EP 3393689 A1 20181031 (DE)**

Application  
**EP 16813355 A 20161220**

Priority  
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• EP 2016081913 W 20161220

Abstract (en)  
[origin: WO2017108784A1] The present invention relates to a pilger rolling mill for shaping a bloom into a tube, comprising a first roll stand (1) mounted to be linearly moveable in a movement direction. Two rollers (2, 3) for shaping the bloom into the tube are rotatably mounted on shafts on the roll stand (1) in such a way that one of the rollers (2, 3) is arranged on a shaft with a drive gear (6). The drive gear (6) engages in a stationary rack (5) which is secured on a rack holder (4) so that a translational movement of the roll stand (1) due to the engagement of the drive gear (6) in the rack (5) causes a rotational movement of the drive gear (6) and thus also of the roller (2, 3) arranged on the shaft of the drive gear (6), and also of the other of the two rollers (2, 3) in the opposite direction. The roll stand (1) is connected to a crank drive so that a rotational movement of a drive motor is converted via a push rod into an oscillating translational movement of the roll stand (1) during operation of the pilger rolling mill. In contrast, the rack holder (4) according to the invention enables the provision of a pilger rolling mill that can be adjusted in a simple and cost-effective way to the tube diameter to be produced in the finish-rolled tubes, so that the production of tubes with different diameters is possible in the same pilger rolling mill. For this purpose, the rack (4) is configured in such a way that the first roll stand (1) is interchangeable with a second roll stand with a second dimension that differs from the first dimension. By adjusting the roll stand to the required tube diameter of the finish-rolled tubes, said tubes have dimensions of improved accuracy and precision after their production process.

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