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(54) ROLLING STAND FOR PRODUCING ROLLED STRIP

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See application file for complete search history.

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(57) ABSTRACT

In the case of a rolling stand for producing rolled strip, which is provided with rolls which are axially displaceable with respect to one another, have a curved contour running over the entire effective barrel length and complement one another exclusively in a specific relative axial position of the rolls in the unloaded state, it is intended for the thickness profile of the roll gap over the active roll barrel length to be varied by axial displacement of the rolls provided with a roll barrel contour in relation to one another in such a way that a strip that is planar and free from undulations is obtained. This takes place by the profile of the barrel contour of the rolls of a pair of rolls being formed by a trigonometric function and the roll gap contour also being formed by a trigonometric function in dependence on the profile of the barrel contour and the position of the rolls within the axial displacement region.

28 Claims, 9 Drawing Sheets

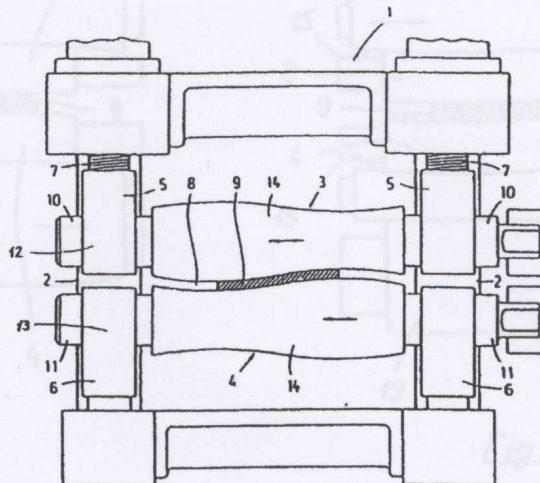


Fig. 2