

Title (en)
Roll stand with axially movable rolls.

Title (de)
Walzgerüst mit axial verschiebbaren Walzen.

Title (fr)
Cage de laminoir à cylindres déplaçables axialement.

Publication
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Application
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DE 3213496 A 19820410

Abstract (en)
1. Four-high roll stand with working rolls (54 and 55), which bear on backing rolls (52 and 53), where in the working rolls (54 and 55) are axially displaceable one relative to the other and the working rolls (54 and 55) as well as also the backing rolls (52 and 53) are provided with a curved outline, which extends over the entire barrel length and is composed of a convex and a concave region and has a structure, in which the barrel outlines of mutually bearing (52, 54, 53, 55) or co-operating (52 and 53, 54 and 55) rolls complementarily augment each other exclusively in a certain relative axial setting of these rolls, characterised thereby, that also the backing rolls (52 and 53) are axially displaceable one relative to the other and that the displacement of the backing rolls (52 and 53) takes place either independently of or together with the working rolls (54 and 55).

Abstract (de)
Vierwalzen-Walzgerüste (51) und Sechswalzen-Walzgerüste sollen so ausgelegt werden, daß sich die Gestalt des Walzspaltes (56) und damit der Walzbandquerschnitt praktisch ausschließlich durch Axialverschiebung der Walzen beeinflussen und die Bandkantenpressung ohne Aufwand verringern läßt. Das wird erreicht durch Verwendung von Walzen (52-55), die eine über die ganze Länge dieses Walzenballens gekrümmte Kontur haben, und dadurch, daß die Walzen mehrerer Walzenpaare (52,53; 54,55) des Walzensatzes an ihren Walzenballen eine angepaßte gekrümmte Kontur aufweisen und gegeneinander axial verschiebbar sind.

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Citation (search report)
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