

Title (en)

ROLL DRIVE AND ROLL STAND HAVING SUCH A ROLL DRIVE

Title (de)

WALZENANTRIEB UND WALZGERÜST MIT EINEM SOLCHEN

Title (fr)

ENTRAÎNEMENT DE CYLINDRES ET CAGE DE LAMINOIR ÉQUIPÉE D'UN TEL ENTRAÎNEMENT

Publication

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Application

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Abstract (en)

[origin: US8904841B2] The invention relates to a roller drive, comprising a first drive train for transmitting drive power from a first drive motor to a first roller; a second drive train for transmitting drive power from the same or a second drive motor to a second roller; the two drive trains each comprise a universal shaft, comprising a first joint permitting a larger angular deviation and a second joint permitting a larger angular deviation; an end part of each universal shaft which is remote from the roller is associated with one of the drive motors or the common drive motor, and is driven by the same; an end part of each universal shaft which is close to the roller is associated with one of the rollers in order to drive the same; the two end parts of each universal shaft are connected with each other via the two joints and a middle part connected to both joints. The roller drive in accordance with, the invention is characterized by the following features: the two end parts which are close to the roller are each connected to a toothed coupling with length compensation which is intended for coaxial or substantially coaxial connection to a drive pin of one of the rollers, with the toothed coupling having two coupling halves which are displaceable in the longitudinal direction and are in drive connection with each other via a meshing engagement; each universal shaft and each toothed coupling are supported via a common radial bearing which is positioned directly on or adjacent to the joint between the middle part and the end part of the universal shaft which is close to the roller.

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