

## Title (en)

Control method for continuous skinpass rolling of metal strip

## Title (de)

Regelungsverfahren für kontinuierliches Nachwalzen von Stahlband

## Title (fr)

Procédé de pilotage d'une opération d'écrouissage en continu d'une bande métallique

## Publication

**EP 0928644 A1 19990714 (FR)**

## Application

**EP 99400036 A 19990108**

## Priority

FR 9800214 A 19980113

## Abstract (en)

The strip passes through an upstream reduction rolling mill cage (2) and a downstream cage (3). The tightening force of the upstream cage (2) is regulated as a function of the tension between the two cages (2, 3), the response time for this regulation being chosen to be very much greater than the response time for the speed of regulation. The strip passes through an upstream reduction rolling mill cage (2) and a downstream cage (3). The speed of the upstream cage (2) is regulated with respect to the downstream cage (3) as a function of the rate of elongation caused by the upstream cage (2). The tightening force of the upstream cage (2) is regulated as a function of the tension between the two cages (2, 3), the response time for this regulation being chosen to be very much greater than the response time for the speed of regulation.

## Abstract (fr)

Procédé dans lequel : on fait passer la dite bande dans deux cages de laminage successives, une cage amont (2) de réduction et une cage aval (3), on règle la vitesse de la cage amont (2) par rapport à celle de la cage aval (3) en fonction du taux d'allongement apporté par la cage (2); on règle la force de serrage de la cage (2) en fonction de la tension entre les cages (2) et (3), le temps de réponse pour le réglage de la force de serrage étant choisi très supérieur au temps de réponse pour le réglage de la vitesse. Avantages : régulation très « robuste » - très grande stabilité de l'allongement et de l'épaisseur de la bande. <IMAGE>

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## Citation (search report)

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- [A] PATENT ABSTRACTS OF JAPAN vol. 007, no. 044 (M - 195) 22 February 1983 (1983-02-22)

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