

Title (en)  
Toe, forepart & ball laster.

Title (de)  
Aufzwickmaschine für den Schuhvorderteil.

Title (fr)  
Machine de montage pour la partie de la pointe d'une chaussure.

Publication  
**EP 0426299 A2 19910508 (EN)**

Application  
**EP 90310648 A 19900928**

Priority  
US 42953989 A 19891031

Abstract (en)  
A machine (101) to last the toe region or forward end of a footwear upper assembly (64) comprising a last (66), an upper (70) draped about the last and an insole (60) including a mechanism (30) to apply an adhesive onto the footwear upper assembly (64) at the forward end of the assembly near the edge of the insole (68), the assembly having an outstanding margin (72), and a mechanism (12) to wipe the outstanding margin (72) onto the insole (68) at the toe region of the assembly, consisting of a wiper pair (12A, 12B) pivotally connected (51) at the toe region, a wiper driver (50) connected to pivot the wiper pair (12A, 12B) at the toe region from a location spaced away from the footwear upper assembly (64) toward an onto the insole (60) at the toe region, and a pair of respective extensions (12A min , 12B min ) of the wiper pair, each extension including an inflatable polyurethane pad (52A, 52B) that serves to engage and wipe the margin (60) in the ball region of the footwear upper assembly (64) onto the insole (68), the extensions (12A min , 12B min ) being slidably attached to the wiper pair (12A, 12B) to permit positional adjustment of each extension (12A min , 12B min ) relative to its associated wiper (12A, 12B) to accommodate differing shoe sizes each pad (52A, 52B) being connected (56A, 56B) to receive fluid gas pressure to inflate the pad after initial wiping has been achieved to effect wiping of the ball region of the footwear upper assembly (64).

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**A43D 21/12; A43D 25/18**

IPC 8 full level  
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