

Title (en)
A SHRINKING MACHINE

Title (de)
SCHRUMPFMASCHINE

Title (fr)
MACHINE DE RÉTRÉCISSEMENT

Publication
EP 3902950 B1 20240117 (EN)

Application
EP 20715195 A 20200226

Priority
• IT 201900003121 A 20190304
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Abstract (en)
[origin: WO2020178670A1] A shrinking machine comprising: an elastically flexible and extensible conveyor belt (2) for supporting and transporting a textile item (T) and arranged in a closed loop around a plurality of rollers (3); a stretching roller (5) which identifies with the conveyor belt (2) a stretching channel (8) for the textile item (T); an inlet roller (4) arranged alongside the stretching roller (5) and having a circular crown (13) made of a compressible material; a tensioning roller (14) operatively upstream of the inlet roller (4) and rotating with a rotation speed of the surface lower than the rotation speed of the surface of the inlet roller (4) so as to induce elongation in the conveyor belt (2). The stretching roller (5) is arranged, during operation, against the inlet roller (4), partially compressing the circular crown (13) so as to deform the stretching channel (8) and move the inlet (9) operatively upstream.

IPC 8 full level
D06C 21/00 (2006.01)

CPC (source: EP)
D06C 21/00 (2013.01)

Citation (examination)
MENGES MATTHEW ET AL: "Written by The Basic Theory of Crowning Industrial Rollers", 21 April 2015 (2015-04-21), XP093023831, Retrieved from the Internet <URL:https://cdn.thomasnet.com/ccp/00591768/202892.pdf> [retrieved on 20230214]

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