

Title (en)
A method of cleaning a zip fastener

Title (de)
Verfahren zur Reinigung eines Reißverschlusses

Title (fr)
Méthode de nettoyage d'une fermeture à glissière

Publication
EP 0931473 A3 19991013 (EN)

Application
EP 98309902 A 19981203

Priority
GB 9725663 A 19971203

Abstract (en)
[origin: GB2332020A] A method of cleaning a zip fastener during it's manufacture comprises applying a cleaning solution 2 to the fastener 6, leaving the cleaning solution 2 on the fastener 6 for a period of time, and then rinsing the fastener 6, prior to finishing. The cleaning solution 2 preferably contains a surface active agent, such as IMEROL RS (RTM), and an acid, such as sulfuric acid or oxalic acid, or an alkali, such as sodium hydroxide. In operation the cleaning solution 2 may be dripped onto the fastener 6 by a metering pump 14 as the fastener 6 is fed between rollers 8, 10. The fastener is then left to stand, preferably for 20 minutes to one hour, before being rinsed in a rinsing and brushing machine 13 and then dried in a vacuum drying station (not shown). For final finishing the fastener is then dipped in a paraffin bath 15.

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CPC (source: EP)
A44B 19/42 (2013.01)

Citation (search report)
• [A] US 4162892 A 19790731 - LEAL AUGUST [US], et al
• [A] US 4427458 A 19840124 - HASEGAWA AKIRA [JP], et al
• [A] US 4251582 A 19810217 - BERNIER LORNIE J, et al
• [A] US 4607425 A 19860826 - TERASAWA AKINOBU [JP]

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