

Title (en)

METHOD FOR TAPERING BRISTLE OF A TOOTHBRUSH BY A MECHANICAL METHOD

Title (de)

VERFAHREN ZUR BORSTENABSCHRÄGUNG BEI EINER ZAHNBÜRSTE ANHAND EINES MECHANISCHEN VERFAHRENS

Title (fr)

PROCÉDÉ POUR EFFILER LES POILS D'UNE BROSSÉ À DENTS AU MOYEN D'UN PROCÉDÉ MÉCANIQUE

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Application

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Abstract (en)

[origin: EP2353433A2] The present invention relates to a method for tapering bristle of a toothbrush using grinding drums which have protrusions (11) with a height of 1.5 to 7.0mm, and which rotate in the vertical and horizontal directions, said method comprising a step of connecting the grinding drums in parallel, such that the grinding drums are arranged in sequence wherein the heights of the protrusions (11) of each of the grinding drums are gradually decreased, and a step of enabling the toothbrush with a non-tapered bristle to pass through each of the grinding drums in series such that the bristle can be ground. The method of the present invention produces highly tapered bristle having a tapered length of 5mm or longer and an end thickness of 0.02mm or less even without immersing bristle into chemicals, and prevents thermal deformations which may otherwise occur in the tapering process performed by a mechanical method.

IPC 8 full level

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Citation (search report)

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- [A] WO 2007000922 A1 20070104 - LION CORP [JP], et al
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- See references of WO 2010050671A2

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