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Abstract

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Abstract:

The article is devoted to solving of problem of hair drying under exposure to high-intensity ultrasonic vibrations. The advantages of ultrasonic drying and possibilities of its practical implementation are described. Ultrasonic fan allowing to realize in practice ultrasonic hair drying was proposed and developed.

Published in: Micro/Nanotechnologies and Electron Devices (EDM), 2010 International Conference and Seminar on

Date of Conference: 30 June-4 July 2010

INSPEC Accession Number: 11524701

Date Added to IEEE Xplore: 09 September 2010

DOI: 10.1109/EDM.2010.5568785

ISBN Information:

Publisher: IEEE

Conference Location: Novosibirsk, Russia, Russia

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I. INTRODUCTION

IN ORDER TO HAVE healthy and nice hair it is necessary to care well for it. The main element of such care is drying, as due to its flaky structure it has absorbability and can keep moisture up to 50% of its weight. The presence of spare moisture causes destruction of hair structure and should be removed. The best method of drying is natural open-air. However, this method takes a lot of time and makes difficult formation of necessary hair-style. The most acceptable way of artificial drying is drying with the help of heated towels: it does not injure hair, but at the same time it should be noted that it is not possible to rub hair, it can be gently dried or wrapped. This method is also very time-consuming.

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Seminars, Hair



Vladimir N. Khmelev — Prorector of the Biysk Technological Institute, professor. Full Doctor of Science (ultrasound). Honored Inventor of Russia. Laureate of the Russian Government Prize for achievements in science and engineering. Scientific interests include application of ultrasound for an intensification of technological processes. IEEE member since 2000, IEEE Senior Member since 2004. His biography was published in the 7th issue of book Who is Who in Science and Engineering.



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