

Patents:

Below listed patent applications are owned by the company MP Interconsulting (and Miodrag Prokic): www.mpi-ultrasonics.com , www.mastersonics.com

DISPOSITIF POUR LA GENERATION D'ONDES ULTRASONORES

Inventeurs : Prokic Miodrag et Jean Claude Padoy

N° de publication 2 743 929

N° d'enregistrement national : 96 01029

République Française, Institut National de la Propriété Industrielle, Paris, 25.07.97 & 10.04.98, bulletin 98/15

European Patent Application: EP 1 405 679 A1

Linear array of sonic and ultrasonic transducers, assembled in the form of complex, integral tube resonator

Applicants: Prokic Miodrag, MP Interconsulting, and Lee, Hee-Myong, Ilsan Suntek, 03.10.2002 – 07.04.2004

European Patent Application: EP 1 050 347 A3

Ultrasonic transducer

Applicants: Prokic Miodrag, MP Interconsulting, and Lee, Hee-Myong, Ilsan Suntek, 18.06.1999 - 24.07.2002

European Patent Application: EP 1 060 798 A1

Unidirectional single piston ultrasonic transducer

Applicant: Prokic Miodrag, MP Interconsulting, 8.06.1999 – 20.12.2000

European Patent Application (related to MMM technology):

EP 1 238 715 A1

Multifrequency ultrasonic structural actuator

Applicant: Prokic Miodrag, MP Interconsulting, 5.03.2001 – 11.09.2002

Books:

Miodrag Prokic, Piezoelectric Transducers Modeling and Characterization. 240 pages, January 2004, MPI, Le Locle, Switzerland, www.mpi-ultrasonics.com

H. Feng et al. (eds.), Ultrasound Technologies for Food and Bioprocessing, Food Engineering Series, DOI 10.1007/978-1-4419-7472-3_5. Chapter 5 Wideband Multi-frequency, Multimode, and Modulated (MMM) Ultrasonic Technology (author M. Prokic). Springer Science+Business Media, LLC 2011

Papers:

Influence of ultrasonic melt treatment on microstructure and mechanical properties of AlSi9Cu3 alloy

H. Pugaa, S. Costa ^a, J. Barbosaa^{*}, S. Ribeirob, M. Prokic ^c

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**New Trends in Aluminium Degassing –A Comparative Study
Fourth International Conference on Advances and Trends in Engineering Materials and their Applications. (AES – ATEMA' 2009 Hamburg)**

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The combined effect of melt stirring and ultrasonic agitation on the degassing efficiency of AlSi9Cu3 alloy.

Materials Letters 63 (2009) 2089–2092

H. Puga ^a, J.C. Teixeira ^a, J. Barbosa ^{a,□}, E. Seabra ^a, S. Ribeiro ^b, M. Prokic ^c

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The influence of processing parameters on the ultrasonic degassing of molten AlSi9Cu3 aluminium alloy.

Hélder Puga, Joaquim Barbosa, E. Seabra^a, S. Ribeiro, M. Prokic.
Universidade do Minho, Departamento de Engenharia Mecânica,
4800-058 Guimarães, Portugal, FEUP, Departamento de
Engenharia Metalúrgica e de Materiais, 4200-465 Porto, Portugal,
MP Interconsulting, 2400 Le Locle, Switzerland. Submitted to
ELSEVIER Materials Letters in October 2008. Accepted 8 January
2009.

EVALUATION OF ULTRASONIC ALUMINIUM DEGASSING BY PIEZOELECTRIC SENSOR

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ELSEVIER Materials Letters

IFT (Institute of Food Technologists) symposium 2005

"Advances in Power Ultrasound Research and Technology:

Food and Bio-product Applications"

New Orleans, USA, July 2005

Innovative MMM Technology for Implementing Power Ultrasonic Technique in Food-Processing Industry

Miodrag Prokic, M.P. Interconsulting, Le Locle, Switzerland,

www.mpi-ultrasonics.com

J.-Paul Sandoz, Applied Sciences University, He-Arc, Le Locle, Switzerland

Prokic M., Radmanovic M., Hedrih K. The change of Electrical and Mechanical resonant Characteristics under Conditions of Various Trans. Loads, GMM, Dubrovnik, pp.1-24. 1985

Prokic M. Multifrequency Ultrasonic Actuators with Special Application to Ultrasonic Cleaning in Liquid and Supercritical CO₂, UIA Conference, Atlanta, 10-12 October 2001

Prokic M., Tapson J., Mortimer B. The ultrasonic Hammer Transducer

Miodrag Prokic: MP Interconsulting, Marais 36, CH-2400 LeLocle, Switzerland

Jon Tapson: Department of Electrical Engineering, University of Cape Town, Rondebosch 7701, South Africa

**Bruce J.P. Mortimer: Centre for Instrumentation Research, Cape
Technikon, PO Box 652, Cape Town 8000, South Africa**

Business references:

M. Prokic is the owner and co-owner of the following companies, established in Switzerland,

MP Interconsulting: www.mpi-ultrasonics.com

Active Ultrasonics: www.activeultrasonics.com