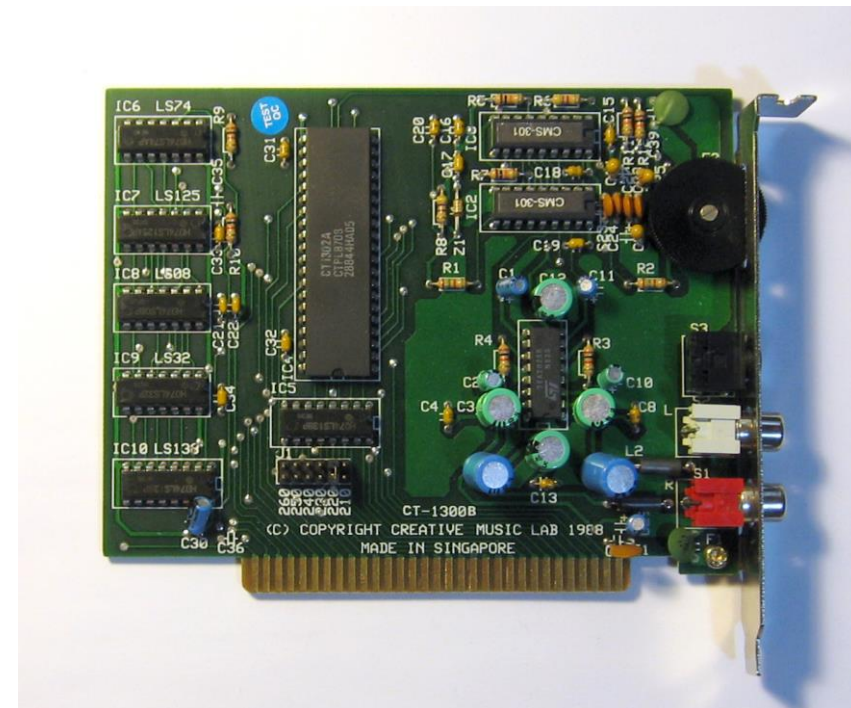


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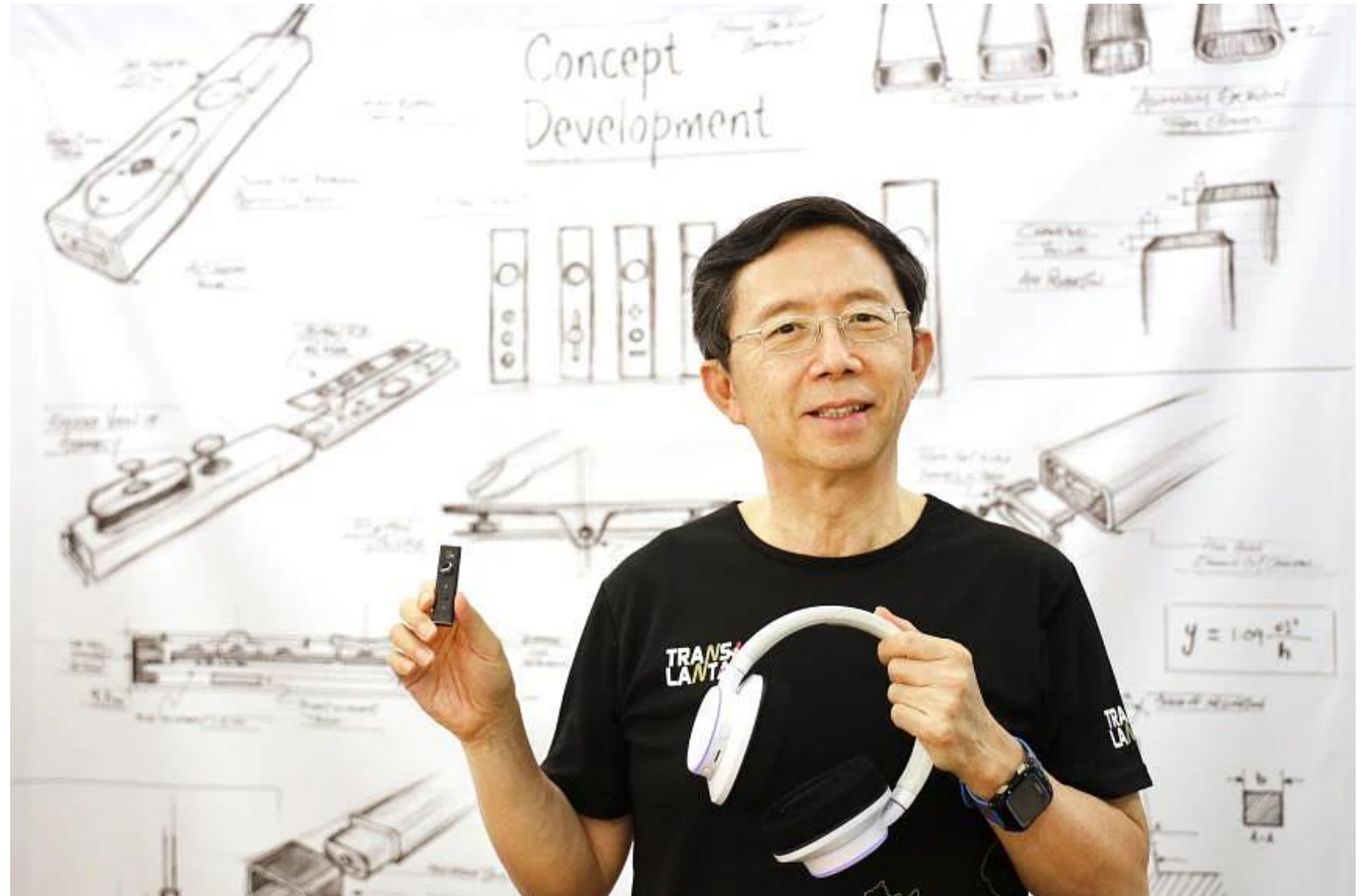
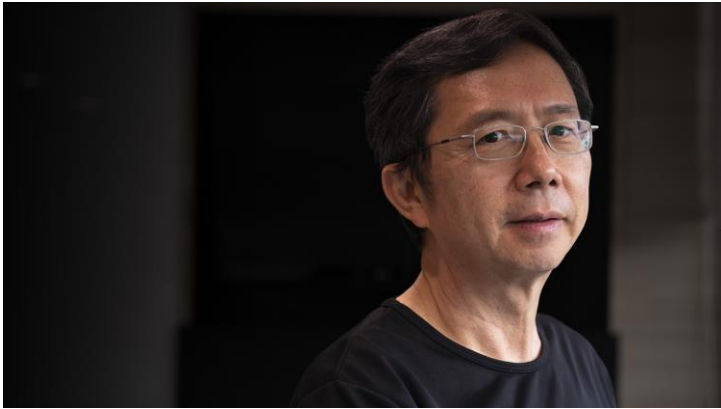
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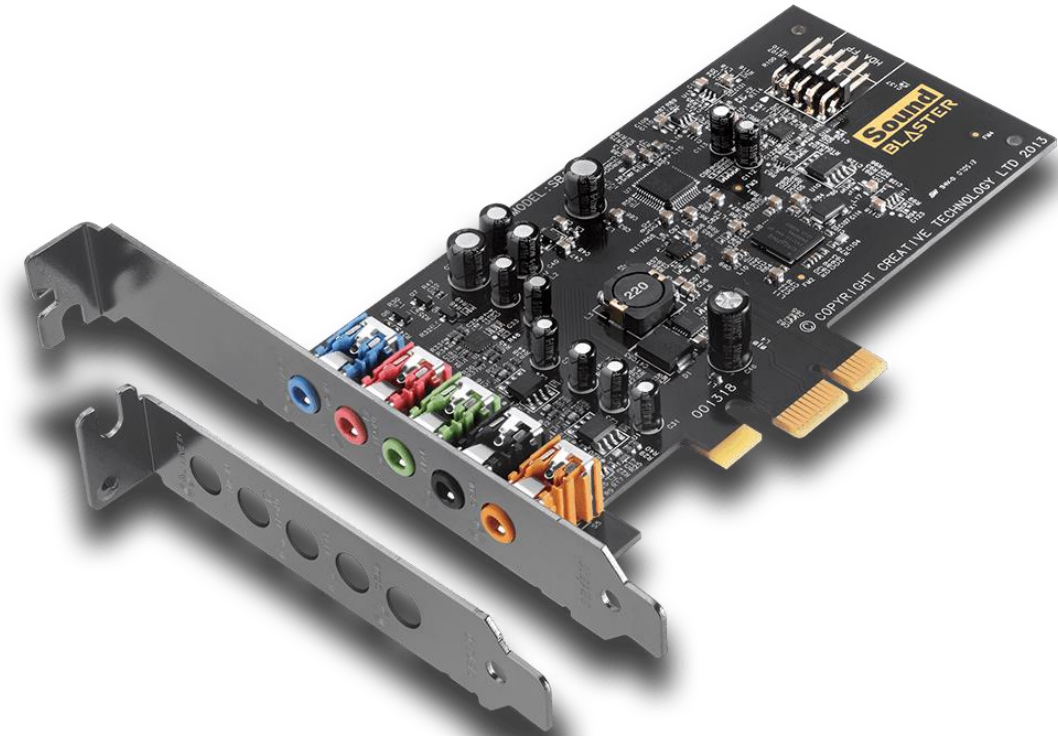
Sim Wong Hoo (1955 - 2023)

Chief Executive Officer



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Creative Technology Ltd Building @ Jurong East



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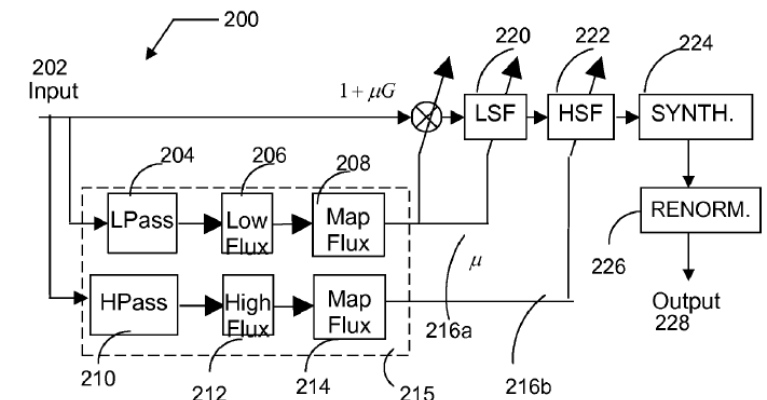


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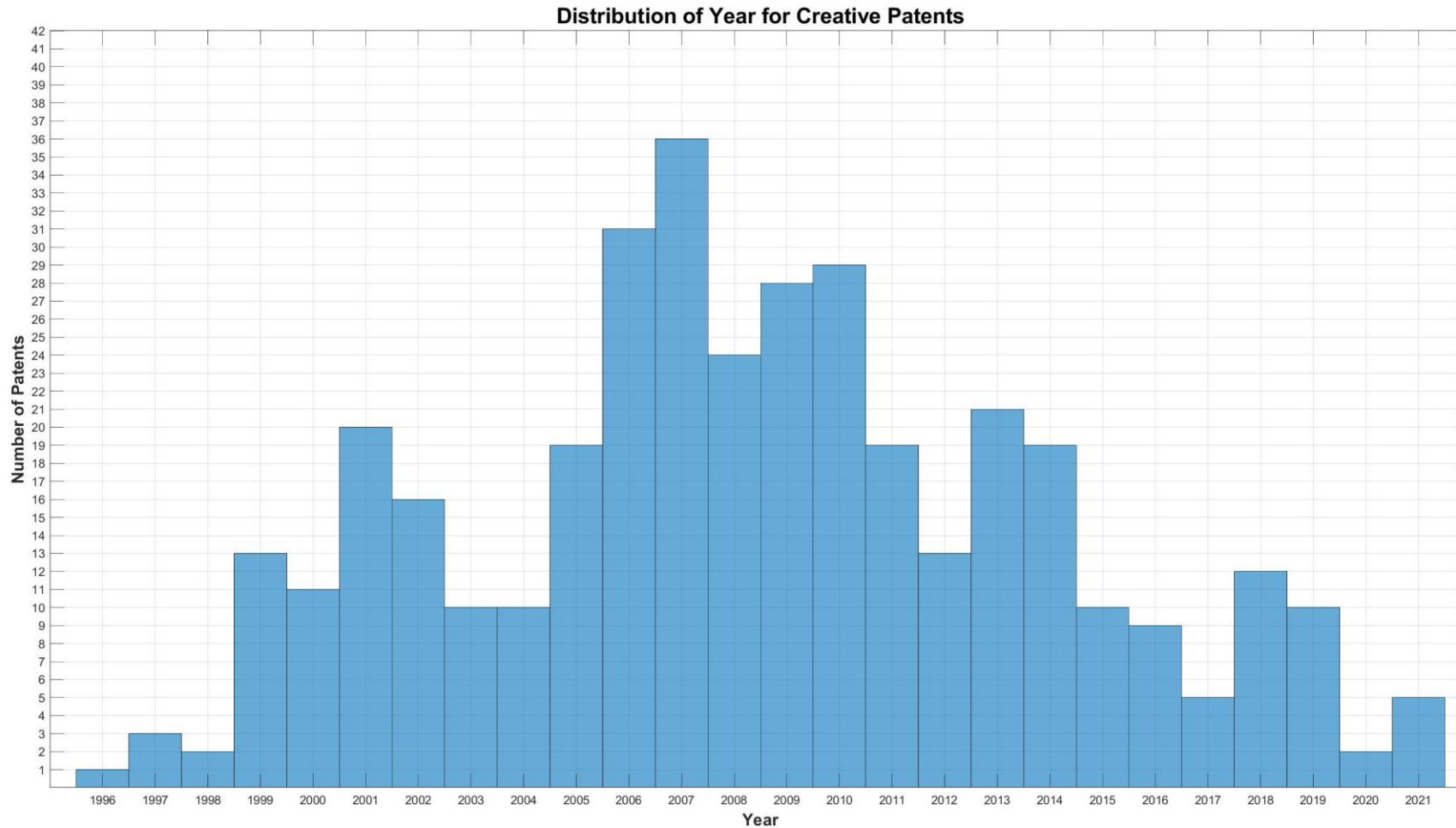


(12) United States Patent Avendano et al.		(10) Patent No.: US 8,750,538 B2
		(45) Date of Patent: Jun. 10, 2014
(54) METHOD FOR ENHANCING AUDIO SIGNALS	(52) U.S. CL USPC 381/107; 381/94.8; 381/102; 381/103	(58) Field of Classification Search CPC H03G 3/00; H03G 5/00; H03G 7/00; H03G 3/3005; H03G 3/301; H03G 7/002; H03G 5/18 USPC 381/107, 102, 103, 106, 61, 94.8, 94.5; 700/94 See application file for complete search history.
(75) Inventors: Carlos Avendano , Campbell, CA (US); Jean Laroche , Santa Cruz, CA (US); Michael M. Goodwin , Scotts Valley, CA (US)	(73) Assignee: Creative Technology Ltd , Singapore (SG)	(56) References Cited U.S. PATENT DOCUMENTS 5,172,358 A * 12/1992 Kimura 369/47.26 2004/0234079 A1 * 11/2004 Schneider et al. 381/58 * cited by examiner
(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 1746 days.	(21) Appl. No.: 11/744,465	<i>Primary Examiner</i> — Vivian Chin <i>Assistant Examiner</i> — Douglas Suthers
(22) Filed: May 4, 2007	(65) Prior Publication Data US 2007/0258603 A1 Nov. 8, 2007	(74) <i>Attorney, Agent, or Firm</i> — Russell Swerdon; Desmond Gean
	Related U.S. Application Data (60) Provisional application No. 60/746,625, filed on May 5, 2006.	(57) ABSTRACT A frequency band of an audio input signal is analyzed to determine if a transient is present. When transients are detected, modifications are made to the intensity levels corresponding to the frequency band for a brief time period.
(51) Int. CL H03G 3/00 (2006.01) H03G 9/00 (2006.01) H03G 5/00 (2006.01) H04B 15/00 (2006.01)		20 Claims, 4 Drawing Sheets



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Intellectual Property (Patents)



Word-Cloud from titles' words

Most used:

Methods, Device, Audio
media, camera, player,
Loudspeakers, sound,
system, apparatus, etc.



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Intellectual Property (Patents)

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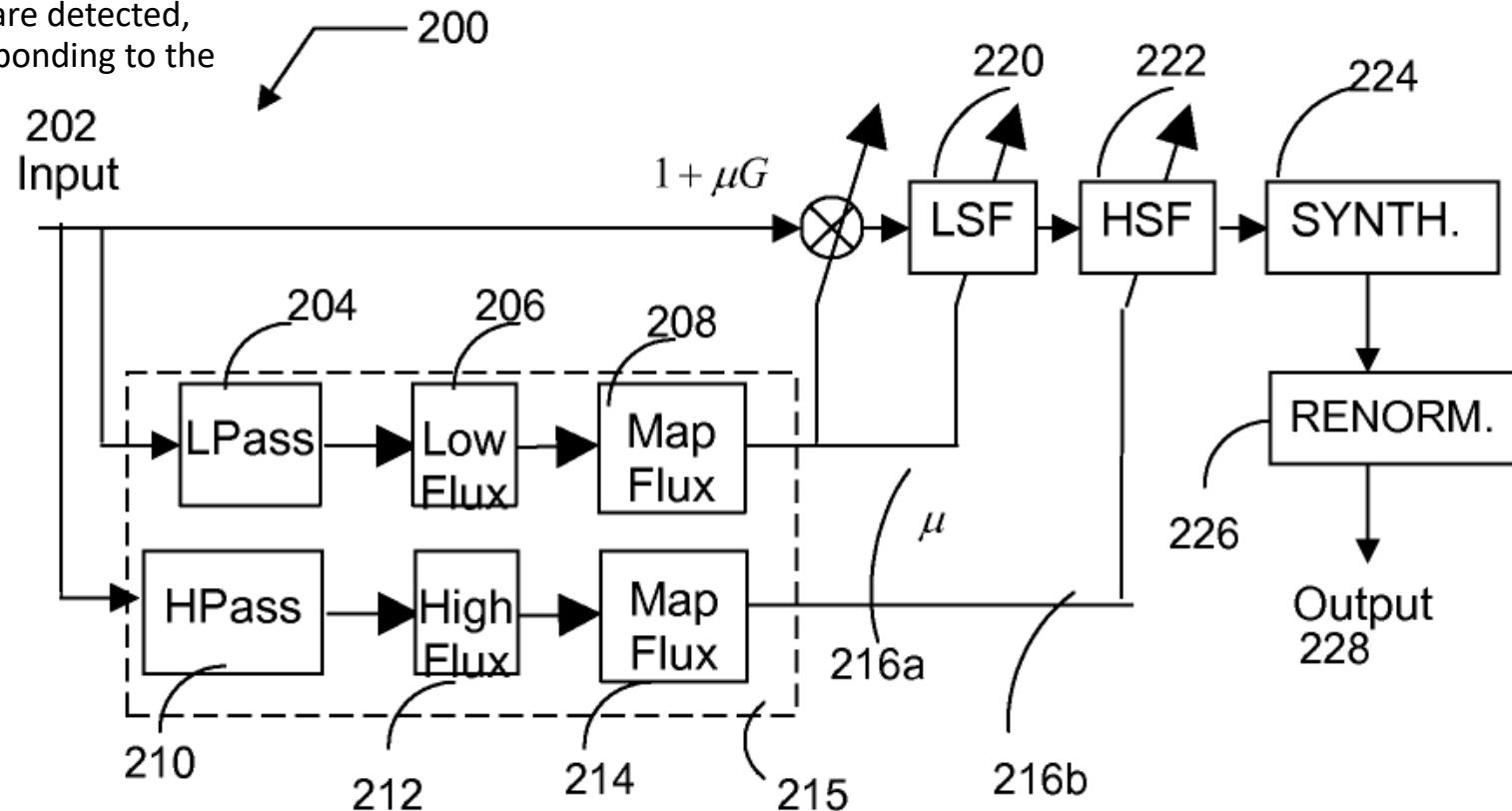
Intellectual Property (Patents)

US8750538B2 - Method for enhancing audio signals

Inventors: Carlos Avendano, Jean Laroche, Michael M. Goodwin

Current Assignee: Creative Technology Ltd

Abstract: A frequency band of an audio input signal is analyzed to determine if a transient is present. When transients are detected, modifications are made to the intensity levels corresponding to the frequency band for a brief time period



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