

## **KApro proudly introduce the KORG KRONOS KRS Library**

### **KRS-30 KApro „Incredible FM“**

Die **KRS-30 KApro „Incredible FM“** Library bietet Ihnen ein vielfältiges Sound-Set aus 32 Programs und einem Drum Track für den KORG KRONOS.

Es wurde ausschließlich das EXi-Modell MOD-7 verwendet.

Sydney A. Alonso and Cameron W. Jones von New England Digital Corporation reichten am 24. Januar 1984 die Patentanmeldung 572,625 mit dem Titel “PARTIAL TIMBRE SOUND SYNTHESIS METHOD AND INSTRUMENT” ein, die am 26. November 1985 als das Patent US 4,554,855 erteilt und veröffentlicht wurde. Die Patentschrift kann kostenfrei z.B. von [depatisnet.dpma.de](http://depatisnet.dpma.de) heruntergeladen werden. Alonso und Jones zitieren das Dr. John Chowning am 19. April 1977 erteilte, ältere Patent US 4,018,121<sup>1</sup> mit dem Titel “METHOD OF SYNTHESIZING A MUSICAL SOUND”, in welchem die Frequenzmodulationssynthese (“frequency modulation of the fundamental (...) by a single modulation signal”), kurz FM-Synthese, geschützt wird. In ihrem Patent US 4,554,855 bringen Alonso und Jones erhebliche Verbesserungen in die ursprüngliche FM-Synthese ein. Diese Verbesserungen finden sich in dem wahrscheinlich mächtigsten FM-Synthesizer, der jemals auf diesem Planeten gebaut wurde.

Von diesem umwerfenden FM-Synthesizer inspiriert bringt KApro nun die **KRS-30 KApro „Incredible FM“** Library, in welcher einige ausgewählte Klänge, für die der Alonso-Jones-Apparat weltberühmt ist, auf den KORG KRONOS gebracht werden. Unter diesen Klängen findet sich auch der unverwechselbare “Gong”, den ein Welthit aus dem Jahr 1982 zum vielleicht berühmtesten FM-Klang machte und der unseres Wissens erstmals nahezu perfekt und ohne Sampling zu benutzen auf einem weiteren Synthesizer neben dem Alonso-Jones-Apparat bereit steht.

Ein absolutes MUST HAVE für jeden KRONOS User!

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<sup>1</sup> In der Patentschrift US 4,554,855 wird das Patent von Dr. Chowning fälschlicherweise mit der Nummer 4,108,121 zitiert, siehe Zeile 46, Spalte 1, von US 4,554,855. Im Patent US 4,108,121 von Minami und Waku geht es allerdings nicht um die Klangsynthese, sondern um eine Vergaseranordnung.

## **KApro proudly introduce the KORG KRONOS KRS Library**

### **KRS-30 KApro "Incredible FM"**

The **KRS-30 KApro "Incredible FM"** Library offers a varied sound set of 32 programs and one drum track for the KORG KRONOS.

Only the MOD-7 engine was used.

On January 24, 1984, Sydney A. Alonso and Cameron W. Jones of New England Digital Corporation filed the patent application 572,625 entitled "PARTIAL TIMBRE SOUND SYNTHESIS METHOD AND INSTRUMENT" which became the patent US 4,554,855 on November 26, 1985, and which can be easily retrieved free of charge from e.g. [depatistnet.dpma.de](http://depatistnet.dpma.de). Alonso and Jones make reference to the prior art patent US 4,018,121<sup>2</sup> entitled "METHOD OF SYNTHESIZING A MUSICAL SOUND", issued on April 19, 1977, and invented by Dr. John M. Chowning. Dr. Chowning's patent makes use of "frequency modulation of the fundamental (...) by a single modulation signal", FM (frequency modulation) synthesis for short. In their patent US 4,554,855, Alonso and Jones introduce considerable improvements over the original patent US 4,108,121. These improvements were introduced what became the probably most flexible FM synthesizer ever built on this planet.

Inspired by the sounds of this truly mighty FM synthesizer, KApro decided to introduce the **KRS-30 KApro "Incredible FM"** library which adapts selected sounds from the Alonso-Jones apparatus to the KORG KRONOS. Among these selected sounds, you will find the iconic "Gong" sound which was made a seminal FM sound by a world hit in pop music, thrilling us all back in 1982 by an unprecedented "beat". This time, this "Gong" sound has been adapted to a synthesizer other than the Alonso-Jones apparatus. At least according to our best knowledge this has been done for the first time ever with almost perfect quality without making use of any sampling.

An absolute MUST HAVE for every KRONOS user!

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<sup>2</sup> In US 4,554,855, the patent by Dr. Chowning is erroneously identified as 4,108,121, cf. line 46, column 1, of US 4,554,855. The patent US 4,108,121 by Minami und Waku is not about sound synthesis but about carburetor engines.

<i>Program Number</i>	<i>Program Name</i>	<i>Category</i>	<i>Subcategory</i>	<i>EXi OSC1</i>	<i>EXi OSC2</i>
U-G000	"Beat I.D." Gong	Bell/Mallet	Bell	MOD-7	MOD-7
U-G001	Beat That Gong	Bell/Mallet	Bell	MOD-7	MOD-7
U-G002	Iconic Gong	Bell/Mallet	Bell	MOD-7	MOD-7
U-G003	Bombastic Gong	Bell/Mallet	Bell	MOD-7	MOD-7
U-G004	Phased Gong	Bell/Mallet	Bell	MOD-7	not used
U-G005	Phasing Gong	Bell/Mallet	Bell	MOD-7	not used
U-G006	Less Bass Gong	Bell/Mallet	Bell	MOD-7	not used
U-G007	Filtered Gong	Bell/Mallet	Bell	MOD-7	not used
U-G008	Panning Gong	Bell/Mallet	Bell	MOD-7	not used
U-G009	Pan-O-Rama Gong	Bell/Mallet	Bell	MOD-7	not used
U-G010	Stereo Bells	Bell/Mallet	Bell	MOD-7	not used
U-G011	Synthesized Bells	Bell/Mallet	Bell	MOD-7	not used
U-G012	Big Gong	Bell/Mallet	Bell	MOD-7	not used
U-G013	Dynametal	Bell/Mallet	Bell	MOD-7	not used
U-G014	Experimental Pad	MotionSynth	Motion	MOD-7	not used
U-G015	Hollows' Moving Pad	MotionSynth	Motion	MOD-7	not used
U-G016	Organic Pad	MotionSynth	Motion	MOD-7	not used
U-G017	Shimmering Pad	MotionSynth	Motion	MOD-7	not used
U-G018	Stereo Pad	MotionSynth	Motion	MOD-7	not used
U-G019	Gee-Eggs One Pad	MotionSynth	Motion	MOD-7	not used
U-G020	Wave Tables? Pad	MotionSynth	Motion	MOD-7	not used
U-G021	Mellow Pad	MotionSynth	Motion	MOD-7	not used
U-G022	Sci-Fi Pad	MotionSynth	Motion	MOD-7	not used
U-G023	FM Sample&Hold Pad	MotionSynth	Motion	MOD-7	not used
U-G024	Nullum Crimen Pad	MotionSynth	Motion	MOD-7	not used
U-G025	Synthetic Klavier	MotionSynth	Motion	MOD-7	not used
U-G026	Square LFO Pad	MotionSynth	Motion	MOD-7	not used
U-G027	Fair And Lite	MotionSynth	Motion	MOD-7	not used
U-G028	Phenda Roads Marcum I	Keyboard	Real E.Piano	MOD-7	not used
U-G029	Phenda Roads Marcum II	Keyboard	Real E.Piano	MOD-7	not used
U-G030	Mellow Wr69	Keyboard	Real E.Piano	MOD-7	not used
U-G031	Bright Wr76	Keyboard	Real E.Piano	MOD-7	not used