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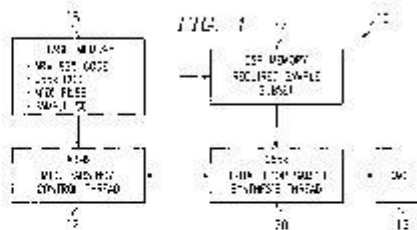
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<p>(84) Designated Contracting States:                  AT BE BG CH CY CZ DE DK EE ES FI FR                  GB GR IE IT LI LU MC NL PT SE SK TR                  Designated Extension States:                  AL LT LV MK RO SI</p> <p>(30) Priority: 19.07.2001 US 909010</p> <p>(71) Applicant: Texas Instruments                  Incorporated                  Dallas, Texas 75251 (US)</p>	<p>(72) Inventor: Adams, Mark L.                  Issaquah, WA 98029 (US)</p> <p>(74) Representative:                  Holt, Michael et al                  Texas Instruments Ltd.,                  EPD MS/13,                  800 Pavilion Drive                  Northampton Business Park,                  Northampton NN4 7YL (GB)</p>
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(54) Software partition of MIDI synthesizer for HOST/DSP architecture

(57) A system and method implements optimal task partitioning between a general purpose processor (12) and a digital signal processor (20) to replace a fixed function ASIC solution with an OMAP software solution to implement a 3G phone that uses OMAP and requires MIDI synthesis, yielding a reduced system cost.



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