

# EXHIBIT 11

(12) **United States Patent**  
**Sadowski et al.**

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(54) **VIDEO DECODER WITH REDUCED POWER CONSUMPTION AND METHOD THEREOF**

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(51) **Int. Cl.**  
**H03M 1/12** (2006.01)

(52) **U.S. Cl.** ..... **341/155**

(58) **Field of Classification Search** ..... 341/155,  
341/157, 158; 375/222, 219, 316, 345  
See application file for complete search history.

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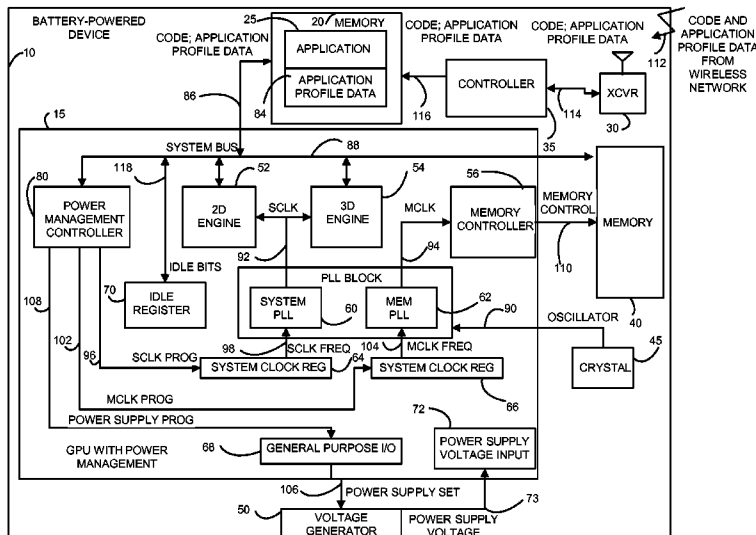
Primary Examiner—Brian Young

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(57) **ABSTRACT**

A video decoder (10) with reduced power consumption includes a power management controller (45) that is operative to select one of a plurality of different power consumption states for a video decoder (10), and, in response to the determination, vary power consumption of at least one operational portion of the video decoder (10). In addition, in one example, a method (200) for reducing power consumption for a video decoder (10) includes determining input stream encoding description data (34) to select one of a plurality of different power consumption states for a video decoder (10) and, in response to the determination, varying power consumption of at least one operational portion of the video decoder (10).

**26 Claims, 12 Drawing Sheets**



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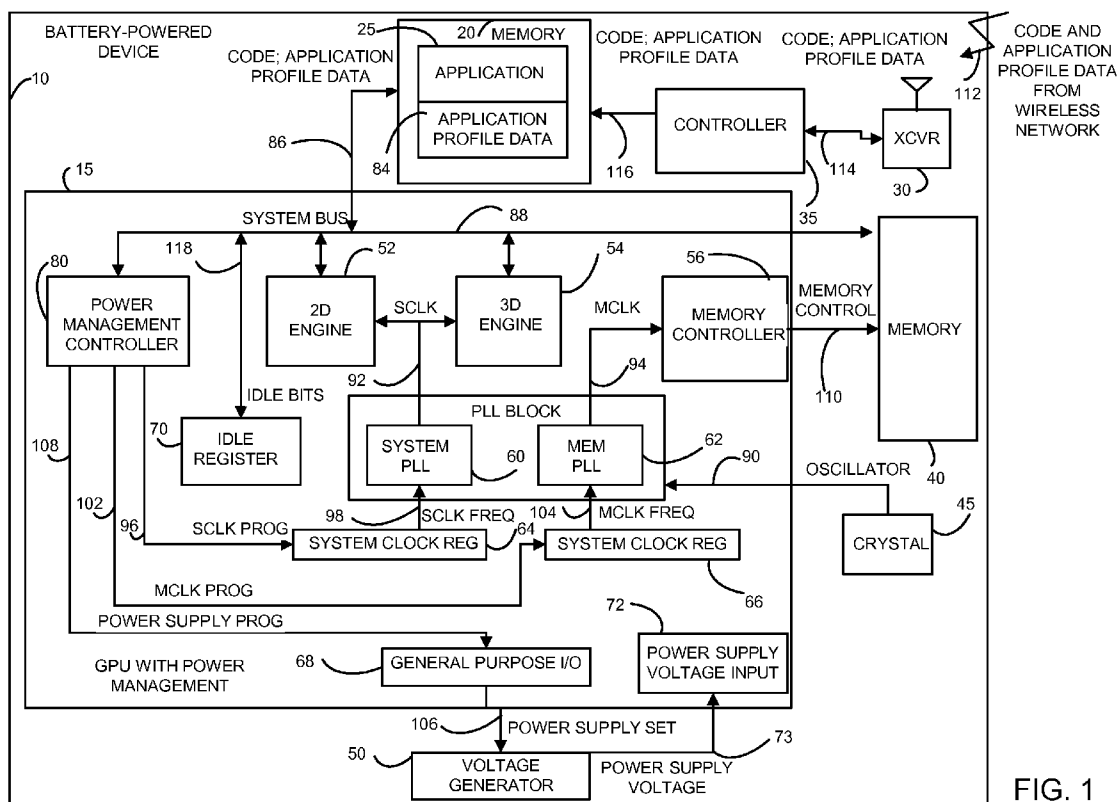


FIG. 1

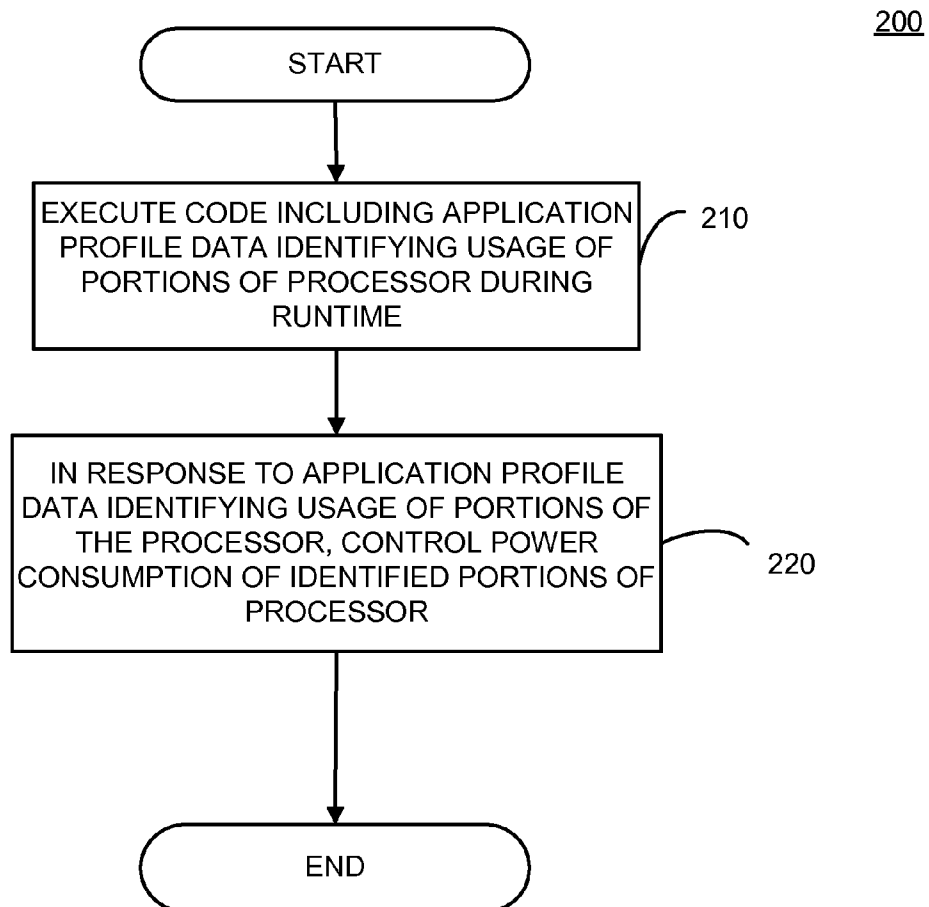


FIG. 2

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