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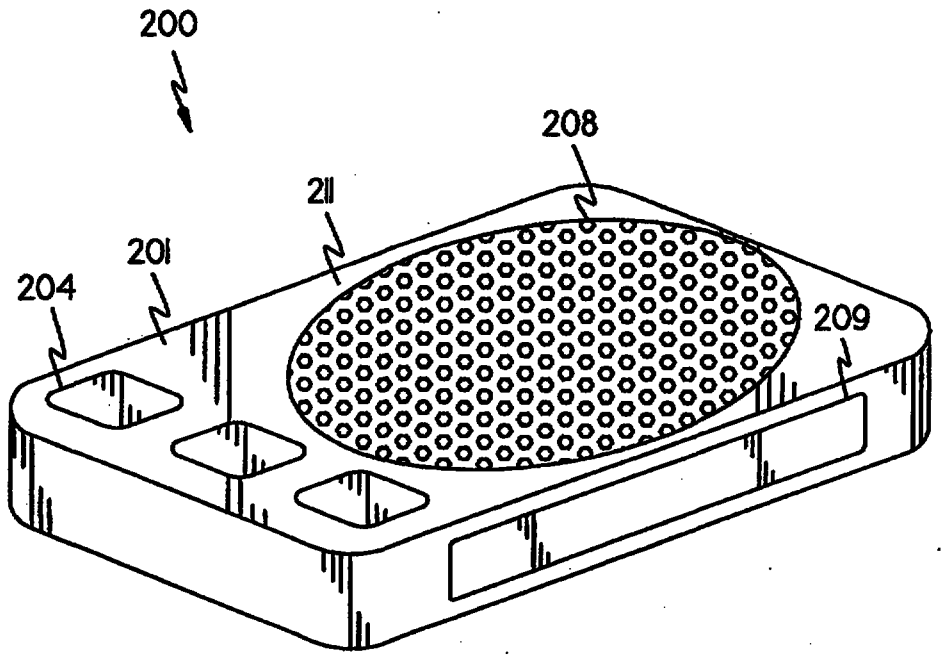
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(57) Abstract

The present invention relates to a non–invasive method and device (200) for detecting hormonal changes in humans by monitoring, and detecting changes in psycho–acoustic sensitivity of humans. In particular, the onset of ovulation in a female, preceded by a sudden increase in the level of luteinizing hormone (LH) in the blood stream, is predicted by measuring various psycho–acoustic responses of the female in certain frequency ranges. The measured psycho–acoustic responses include mono–aural and binaural audio interpretation.