

## **Abstract**

### **METHOD AND APPARATUS FOR RECOGNIZING DICE DOTS**

5        A method and apparatus for recognizing dice dots includes  
a dice cup to hold at least one dice, and a light source module  
and a capturing module located in the dice cup. The light  
source module generates a plurality of light sources to project  
to the dice. The capturing module captures images of the dice  
10 a number of times according to the light sources projection  
times to generate a plurality of image information. The image  
information is sent to a recognizing module which stores a  
plurality of calculation methods to recognize dice dots  
according to the image information. When recognized results  
15 obtained through the calculation methods are judged same by  
the recognizing module the dice dots are confirmed and  
accepted. If the recognized results done through the  
calculation methods are different, the dice is rolled anew.

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(Figure 4)