

VALUE TOKEN WITH SLUG HAVING RFID AND ELECTROMAGNETIC
DETECTION FEATURES

ABSTRACT

Value tokens, *e.g.* gaming chips, are formed with a slug having an RFID microchip imbedded or encapsulated inside and an EM coil either imbedded or encapsulated inside or wrapped around the periphery of the slug. The slug is formed by injection molding two plastic halves with a spacing therebetween for accepting the RFID microchip. The plastic halves are formed from weighted plastic including fillers such as copper, brass and/or tungsten to add extra weight to the plastic halves. The EM coil is placed on the same radius as the RFID antenna within the gaming chip or at a radius outside the RFID antenna to as to minimize interference between the RFID and EM signals by minimizing the metal in the EM field. For example, the EM coil may be wound within a groove around the outer periphery of the slug.

[Figure 1]