

## **ABSTRACT OF THE DISCLOSURE**

### **SYSTEM AND METHOD FOR PROJECTOR LAMP SAFETY INTERLOCK**

An information handling system projector lamp housing includes a safety  
5 interlock to reduce the risk of electrical shock to an end user during lamp insertion  
and removal. A ballast disposed in the projector interfaces with a low voltage power  
supply through a ballast power supply circuit and transforms the low voltage into high  
voltage for use by the lamp. A connector associated with the ballast connects with a  
connector on the lamp housing to supply the high voltage to the lamp. The safety  
10 interlock breaks the ballast power supply circuit if the ballast connectors are exposed,  
such as during insertion or removal of the lamp. The safety interlock completes the  
ballast power supply circuit as the lamp housing fully inserts in the projector to allow  
power supply for illumination of the lamp.

15 Figure 2



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