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**WEIDINGER et al.**(10) **Pub. No.: US 2022/0377895 A1**(43) **Pub. Date: Nov. 24, 2022**(54) **MAGNETIC INLAY WITH AN ADJUSTABLE  
INDUCTANCE VALUE FOR A COMPONENT  
CARRIER AND A MANUFACTURING  
METHOD***H01F 27/28* (2006.01)*H01F 41/04* (2006.01)*H05K 1/11* (2006.01)*H05K 3/46* (2006.01)(71) Applicant: **AT & S Austria Technologie &  
Systemtechnik Aktiengesellschaft,**  
Leoben (AT)(52) **U.S. Cl.**CPC ..... *H05K 1/165* (2013.01); *H01F 17/0013*  
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(2013.01)(72) Inventors: **Gerald WEIDINGER**, Leoben (AT);  
**Ivan SALKOVIC**, Zagreb (HR);  
**Markus KASTELIC**, Zeltweg (AT)(21) Appl. No.: **17/663,386**(22) Filed: **May 13, 2022**(30) **Foreign Application Priority Data**

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**ABSTRACT**

A magnetic inlay for a component carrier includes a magnetic matrix and an electrically conductive structure embedded horizontally in the magnetic matrix. The electrically conductive structure is configured as an inductive element. The magnetic inlay is configured so that, depending on the geometrical properties of the electrically conductive structure, a specific inductance value is provided for the magnetic inlay.

