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A. Agboola* (agboola@math.ucsb.edu), Department of Mathematics, University of California, Santa Barbara, CA 93106, and **L. R. McCulloh**. *Relative Galois module structure of rings of integers in tame extensions.*

Let F be a number field, with ring of integers O_F , and let G be a finite group. We shall describe a K -theoretic approach to studying the set of realisable classes in the locally free class group of $O_F[G]$. When G is nilpotent, we show that the set of realisable classes is a subgroup of this locally free class group. This may be viewed as being an analogue of a classical theorem of Scholz and Reichardt on the inverse Galois problem for nilpotent groups in the setting of Galois module theory. (Received August 19, 2015)