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Bill Jacob* (jacob@math.ucsb.edu), Department of Mathematics, Santa Barbara, CA 93106,
and **Roberto Aravire** (raravire@unap.cl), Casilla 121, Iquique, Chile. *The Graded Witt Group
Kernel of Biquadratic Extensions in Characteristic Two*. Preliminary report.

This paper shows that the kernel on the graded Witt group for a separable biquadratic extension E/F is the expected group. To obtain the result ideas of Positselki are combined with results of Izboldin to obtain an exact sequence $\nu_F(n, 1) \oplus \nu_F(n, 1) \rightarrow H_2^{n+1}F \rightarrow H_2^{n+1}E$. This generalizes the result of Baeza in the ungraded case $\ker(W_q(F) \rightarrow W_q(L)) = I_F \cdot [1, a] + I_F \cdot [1, b]$. Sample computations involving quadratic Pfister forms are also given. (Received September 14, 2010)