A Question About the tangent bundle of spheres (Jie Wu)

Let $E(2n)$ denote the Stiefel manifold $V_{2n+1,2}$, the manifold of unit tangent vectors on $S^{2n}$. Let $i: S^{2n-1} \to E(2n)$ be the inclusion of a fibre and let $\ast$ be the base-point of $S^{2n-1}$.

**Problem:**

Does there exist a continuous map

$$f: S^{2n-1} \times S^{2n-1} \to E(2n)$$

such that

$$f|_{S^{2n-1} \times \ast} = f|_{\ast \times S^{2n-1}} = i: S^{2n-1} \to E(2n)?$$

**Remarks:**

1) The positive answer is equivalent to that the Whitehead square $\omega_{2n-1}$ is divisible by 2.
2) The answer is NO if $2n$ is not a power of 2.
3) The answer is YES if $2n = 2, 4, 8, 16, 32, 64, 128$.
4) The answer is UNKNOWN in general.