

ABSTRACT

METHOD OF MAKING UNREACTED METAL/ALUMINUM SPUTTER TARGET

A high performance, high density sputtering target and a method of making. An aluminum and non-aluminum reactive metal powder blend is subjected to cold pressing under pressure, machining, evacuating, and hot pressing under pressure. The aluminum and non-aluminum metal react directly to yield a high performance, high density sputter target containing greater than about 2% aluminum with substantially uniform composition across the body.

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