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A B S T R A C T

The invention relates to inorganic intermetallic compounds having a PMR effect (combined GMR/CMR effect), which are characterized in that they contain at least two elements per formula unit and have a field sensitivity of less than 10 % per 0.1 T at temperatures greater than 290 K. The invention also relates to composites consisting of these compounds, to a method for the production thereof and to their use, in particular, as magnetic field sensors or in the domain of spin electronics.



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