Mechanochemical Synthesis of Mg2Si and Related Compounds and Alloys

Tech ID: 23699 / UC Case 2011-721-0

SUMMARY

Professor Kaner and colleagues have developed methods to synthesize substantially phase pure compounds of magnesium silicide and related alloys. The phase purity achieved by this method is unprecedented, and the yielded products are suitable to be used as thermoelectric materials in the mid- to high-temperature range (400 K to 800 K).

PATENT STATUS

Country	Type	Number	Dated	Case
United States Of America	Issued Patent	8,591,758	11/26/2013	2011-721

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INVENTORS

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OTHER INFORMATION

KEYWORDS

Thermoelectric materials, alloys,

CATEGORIZED AS

- **Materials & Chemicals**
  - Ceramics
  - Composites
  - Other

RELATED CASES

2011-721-0

ADDITIONAL TECHNOLOGIES BY THESE INVENTORS

- Nanostructured Polymer Electrodes

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