

Non-Rare Earth Nanomagnets

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Status:

Seeking R&D and/or
 licensing partner
 Patent Pending

Inventor:

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Non-Rare Earth Nanomagnets

- Magnetic exchange coupled core-shell nanomagnets without rare earth metals
 - Core-shell nanomagnets (below 20 nanometers in diameter) to replace rare-earths
 - Magnetic props comparable to rare-earths (<20% loss in magnetic energy)
 - Less expensive materials than current rare earths

Advantages of Non-Rare Earth Nanomagnets

- Uses no rare-earth materials
- Higher Curie temperature than rare-earth permanent magnets
- Invented core-shell nanomagnets can be used at 250°C

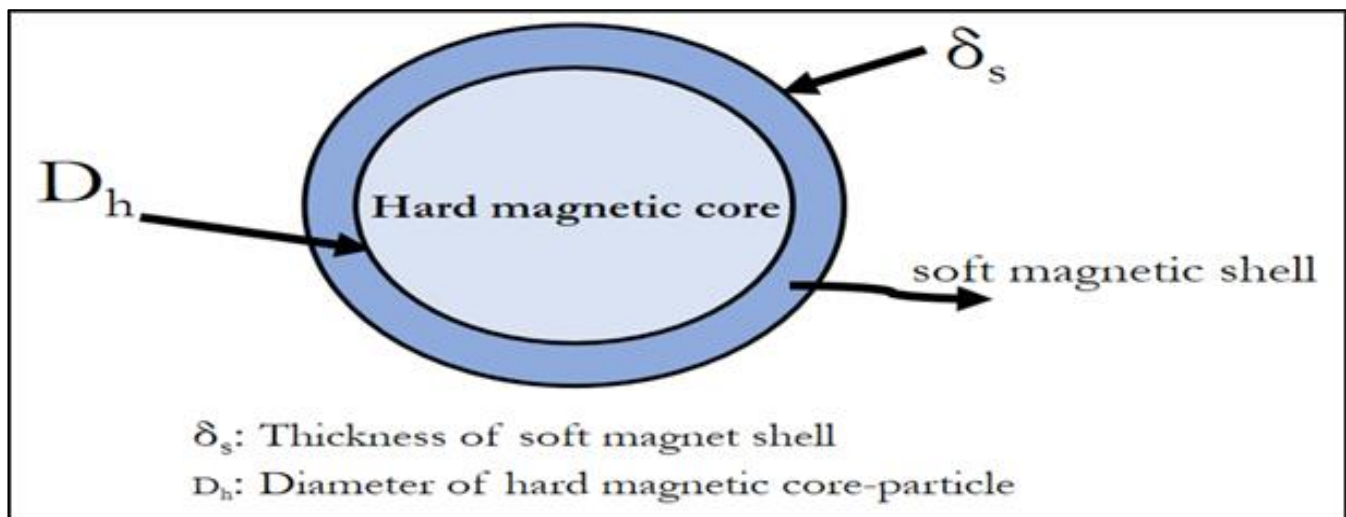


Figure 1. Structure of Core-Shell Nanomagnets

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