Overview
Auburn University is seeking licensees for patents related to remediation technologies. These patents have potential applications in the following economic sectors:
- Environmental Decontamination
- Water treatment
- Agriculture

US Patent 7,581,902
In Situ Immobilization of Metals in Contaminated Sites Using Stabilized Iron Phosphate Nanoparticles
This technology modifies iron sulfide particles at production by adding a very low-cost stabilizer to prevent the nanoscale particles from agglomerating, thereby maintaining their high surface area and reactivity. The stabilizer can also be used to control the particle size and dispersibility of the nanoparticles in the subsurface.
Additional information

US Patents 7,635,236
In Situ Remediation of Inorganic Contaminants Using Stabilized Zero-Valent Iron Nanoparticles
This technology uses a new class of starch—or cellulose-stabilized, zero-valent iron nanoparticles to effectively destroy perchlorate/nitrate in fresh water or in brine resulting from the ion exchange process.
Additional information

US Patent 7,887,880
Preparation and Application of Stabilized Metal Nanoparticles for Dechlorinated Hydrocarbons in Soils, Sediments, and Groundwater
This technology modifies the preparation of bimetallic particles by adding a very low-cost stabilizer to prevent the nanoscale particles from agglomerating, thereby maintaining their high surface area and reactivity.
Additional information

Licensing Opportunities
- Any combination of these patents is available for immediate non-exclusive licensing through Auburn's customizable "Ready to Sign” licensing program.