

40. The implantable device of claim 10, wherein said at least one active marker element comprises at least two electrodes.
41. The implantable device of claim 10, wherein said at least one active marker element comprises at least two coils.
42. A cardiac therapy system comprising the implantable monitoring device of claim 1 and further comprising:
- an implantable cardiac therapy device including an implantable housing containing at least power and control modules;
 - at least one lead connecting said detecting means with the implantable housing and modules contained therein;
 - at least one cardiac therapy delivery element; and
 - at least one lead connecting said at least one therapy delivery element to the implantable housing and modules contained therein;
- wherein said control module executes instructions for
- generating a signal with said detecting means,
 - receiving a signal responsive to the generated signal with said detecting means, the received signal being indicative of vessel diameter at the monitoring location;
 - determining vena cava diameter at the monitoring location based on said signal;
 - comparing the determined diameter to a reference diameter to determine a change in vena cava diameter,
 - evaluating heart condition based on the determined change in vena cava diameter; and
 - modulating cardiac therapy delivered by said at least one therapeutic device passed on the evaluated heart condition.
43. The cardiac therapy system of claim 42, wherein said cardiac therapy device comprises a pacemaker and said at least one cardiac therapy delivery element comprises at least one pacing lead.