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CRT Degauss On Demand

Soft Edge Technologies has developed a ***CRT Degauss On Demand*** system for internal requirements. This can be made available to outside interested parties.

The CRT monitor market remains vibrant at the top end of CAD and specialist applications. Degauss though is a perennial problem, especially in mobile situations such as marine or vehicle. The conventional system with a 'cooling down' period of up to ten minutes precludes effective on-demand degaussing. The only alternative system, *resonant degauss*, necessitates specially wound coils and bulky, expensive capacitors and inductors. The new Soft Edge system circumvents this expense and bulk and, by avoiding the inherent resistance of the regular degaussing components, can if required offer enhanced degaussing.

Conversion to the ***Degauss On Demand*** system is straightforward. The module's small volume would usually permit inclusion within the monitor's case and no modification other than mounting facilitation is required. Quiescent power dissipation is negligible and there will generally be no thermal implications. Simply plug the degaussing coil into the module, provide AC mains voltage (48-63 Hz, adaptable to 110 or 240v), and arrange a suitable position for the push button switch.

The degauss period of a second or two is comparable with conventional systems. Unlike those though, the Soft Edge degauasser can be immediately activated again with 100% effectiveness. Indeed for those familiar with standard degaussing it is a strange sensation to be able to just keep pressing the button and watch the action taking place time after time. One wouldn't normally of course perform rapid multiple operations, similarly one wouldn't switch any equipment on and off rapidly. The circuit could easily be adapted to obviate misuse by limiting the cycling. As well as manual operation, an external sensor can trigger the circuit.

The system may well have applications in other areas where it is desirable to null residual magnetisation.

Being developed for internal company use, patent potential has not been explored. The circuitry and technique are not however in common domain and remain prospectively joint patentable.