

Abstract of the Disclosure**POWER FACTOR CONTROLLER FOR ACTIVE CONVERTER**

A method and apparatus for controlling a regenerative drive having line and load converters connected by a DC link, the load converter for connection to an AC machine, and the line converter for connection to an AC source/sink by means of line reactors, the drive for causing real power to flow in the line reactors to control the DC link voltage at a selected DC voltage and for determining when a commanded line converter voltage exceeds a selected maximum line converter voltage for also causing reactive power to flow in the line reactors to reduce the line converter voltage required to control the real power flow.

(Fig No. 1)