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[54]	FILM CRYOTRON			
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[52]	U.S. Cl			

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[57]		ABSTRACT

Disclosure is made of a film cryotron comprising a super-conductive ground plane and two superconductive electrodes arranged on said ground plane. The ground plane and electrodes are all insulated from one another. The electrodes are interconnected by an elongated distributed Josephson junction and have input lines and a control line arranged along the Josephson junction and above one of the electrodes. The electrode under the control line is shaped as a strip extending along the Josephson junction. The input line is connected to this electrode at a point spaced from the points at which the control line intersects the boundaries of this electrode and from the ends of the junction at a distance which is greater than the width of said electrode and the depth of the magnetic field penetration into the junction. At the point of connection to the electrode, the input line has a width which is less than that of the electrode.

4 Claims, 9 Drawing Figures

