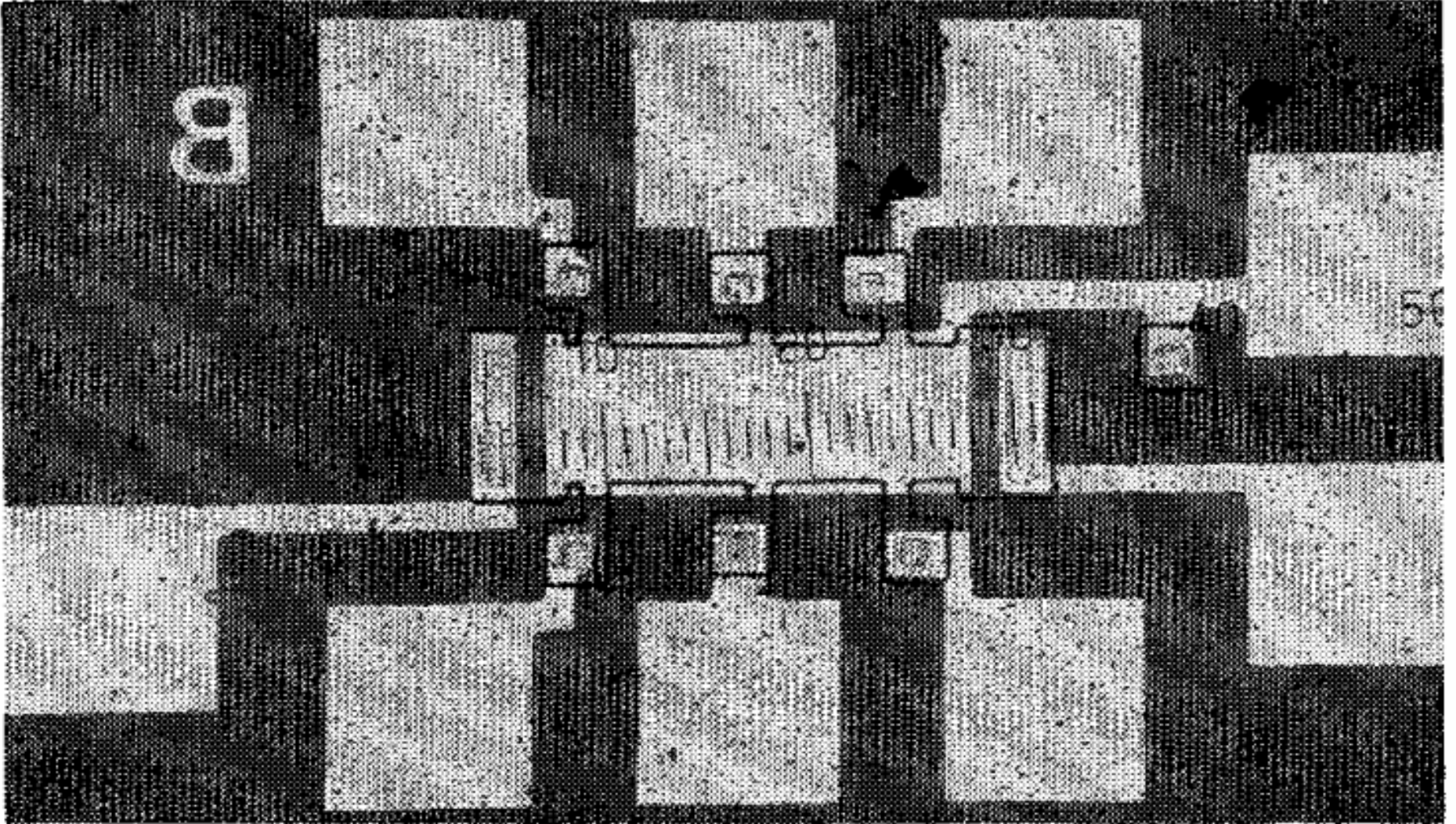


# MAGNETIC MICROSENSORS

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## **A Silicon MOS Magnetic-Field Transducer of High Sensitivity**

**SILICON HALL EFFECT magnetic-field transducers were reported in 1968 by Fry (Plessey Company, Ltd.). This work presented sensing concepts based on the deflection of carriers in the inversion channel of an MOS device under an applied magnetic field. The concept of a split-drain Hall-effect device was presented.**

**P.W. Fry**

Plessey Company, Ltd., Dorset, England