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TONG et al.(10) **Pub. No.: US 2023/0232156 A1**(43) **Pub. Date: Jul. 20, 2023**(54) **DOUBLE-SIDED SPEAKER**(71) Applicant: **ShenZhen Luxshare Acoustics Technology Ltd.**, Shenzhen (CN)(72) Inventors: **ZhiHua TONG**, SHENZHEN (CN);
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ABSTRACT

A double-sided speaker, comprising a magnetic conductive carrying plate, an auxiliary magnetic conductive member, a side magnetic conductive member, a first magnetic circuit module, a second magnetic circuit module, a first voice coil, a second voice coil, a first vibrating component, and a second vibrating component. The magnetic conductive carrying plate comprises a sidewall and a bottom plate. One side surface of the bottom plate comprises a first side edge and a second side edge opposite to the first side edge. The sidewall is disposed at the first side edge. The auxiliary magnetic conductive member is assembled to the second side edge. The side magnetic conductive member is disposed at a side edge of another side surface of the bottom plate. The first magnetic circuit module is disposed at one side of the magnetic conductive carrying plate, of which the second magnetic circuit module is disposed at another side.

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