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(71) Applicant *(for all designated States except US)*: **AGENCY FOR SCIENCE, TECHNOLOGY AND RESEARCH** [SG/SG]; 20 Biopolis Way, #07-01 Centros, Singapore 138668 (SG).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **QING, Xianming** [SG/SG]; Block 51, Strathmore Avenue, #10-185, Singapore 140051 (SG). **CHEN, Zhining** [CN/SG]; TW1, #15-08, Parc Vista, 450 Corporation Road, Singapore 649801 (SG). **CAI, Ailian** [SG/SG]; Block 526, Serangoon North Avenue 4, #04-128, Singapore 550526 (SG).

(74) Agent: **AXIS INTELLECTUAL CAPITAL PTE LTD**; 21A Duxton Road, Singapore 089487 (SG).

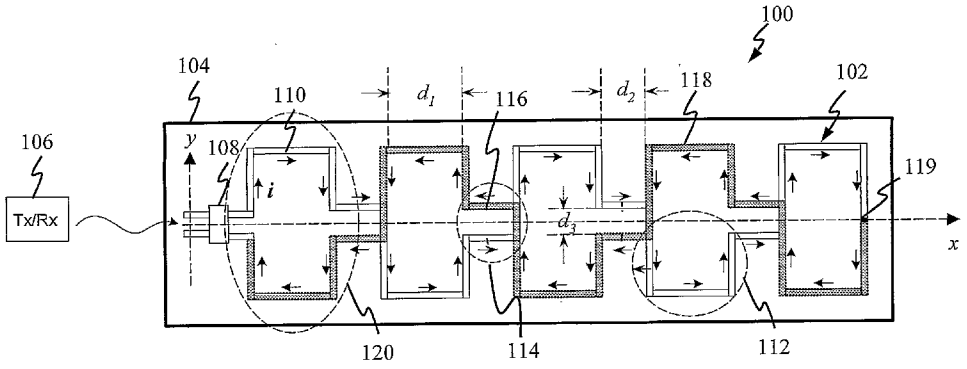
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(54) **Title:** ANTENNA FOR RADIO FREQUENCY IDENTIFICATION SYSTEM



(57) **Abstract:** An antenna 100 for a radio frequency identification (RFID) system is disclosed. The antenna 100 has a radiating element 102 that comprises a first shaped segment 110 and a second shaped segment 118. Each of the first 110 and second 118 shaped segments comprises two lobed portions 112. The radiating element 102 also has a junction 114 from where each of the first 110 and second 118 shaped segments extends. The first shaped segment 110 is spatially displaced from the second shaped segment 118 and is electronically interconnected through the junction 114. Specifically, one of the two lobed portions 112 of the first shaped segment 110 corresponds with one of two lobed portions 112 of the second shaped segment 118 for forming a first loop 120 having a first current flow therethrough for for inducing a first magnetic field 200, and the other two lobed portion 112 of the first shaped segment 110 for forming a second loop 120 having a second current flow theretrough for inducing a second magnetic field 200.

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