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**HIRANO et al.**(10) **Pub. No.: US 2024/0251665 A1**(43) **Pub. Date: Jul. 25, 2024**(54) **TRANSVERSE CURRENT SUPPRESSING MATERIAL, CARBAZOLE COMPOUND, HOLE-INJECTION LAYER AND ORGANIC ELECTROLUMINESCENT ELEMENT***C09K 11/06* (2013.01); *H10K 85/40* (2023.02);  
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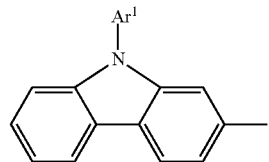
**ABSTRACT**

There is provided a transverse current suppressing material that suppresses a transverse current of an organic electroluminescent element, a carbazole compound, a hole-injection layer containing the transverse current suppressing material and the carbazole compound and an organic electroluminescent element that has good drive voltage, luminous efficiency and durability and has a lower transverse current. A transverse current suppressing material for an organic electroluminescent element, represented by the formula (1) [In the formula (1), A is represented by the formula (2) or (3), and B is represented by the formula (4)].

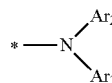
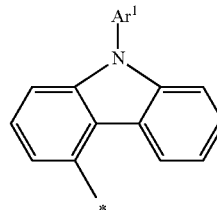
A — B

Formula (1)

Formula (2)



Formula (3)



Formula (4)

