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(54) **TRANSPARENT TOUCH DISPLAY DEVICE**

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ABSTRACT

Disclosed is a transparent touch display device including: first to third touch electrodes disposed in one column; first to third touch lines disposed across the first to the third touch electrodes; $m \times n$ touch cathode electrodes disposed in n rows and m columns in an area of each of the first to the third touch electrodes (m and n being natural numbers); and n touch bridges disposed in the area of each of the first to the third touch electrodes to electrically interconnect m touch cathode electrodes in each of the n rows among the $m \times n$ touch cathode electrodes. The second touch line may be electrically connected to each of $n-k$ touch bridges and not to the remaining k touch bridges among the n touch bridges disposed in the area of the second touch electrode, k being an even number greater than 0 and less than $n/2$.

