

Title (en)

ELECTRICALLY CONTROLLABLE DEVICE HAVING VARIABLE DIFFUSION BY LIQUID CRYSTALS, AND METHOD FOR SAME

Title (de)

ELEKTRISCH STEUERBARE VORRICHTUNG MIT VARIABLER DIFFUSION DURCH FLÜSSIGKRISTALLE UND VERFAHREN DAFÜR

Title (fr)

DISPOSITIF ELECTROCOMMANDABLE A DIFFUSION VARIABLE PAR CRISTAUX LIQUIDES ET SON PROCEDE

Publication

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Application

**EP 21720800 A 20210326**

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Abstract (en)

[origin: WO2021198596A1] The invention relates to a device having variable diffusion by liquid crystals (100), comprising a stack with a first electrode (2), an electroactive layer (3) with liquid crystals stabilised by the polymer network, and a second electrode (2'). The material has, from a temperature referred to as T1, a mesophase referred to as P. At a temperature T' greater than or equal to T1, the stack is capable of having at least three stable and reversible diffusion states in the visible range and a variable colour. The invention also relates to the manufacture of this device.

IPC 8 full level

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