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Tumpold et al.(10) **Pub. No.: US 2022/0377851 A1**(43) **Pub. Date: Nov. 24, 2022**(54) **EMITTER STRUCTURE AND PRODUCTION METHOD****Publication Classification**(71) Applicant: **Infineon Technologies AG**, Neubiberg (DE)(72) Inventors: **David Tumpold**, Kirchheim b Munchen (DE); **Sebastian Anzinger**, Holzkirchen (DE); **Christoph Glacer**, Muenchen (DE)(21) Appl. No.: **17/817,155**(22) Filed: **Aug. 3, 2022****Related U.S. Application Data**

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ABSTRACT

An emitter structure includes a substrate with a membrane arrangement. The membrane arrangement includes at least one first membrane, a first heating path and a second heating path in different substrate planes. The first heating path and the second heating path are positioned with respect to one another such that a projection of the first heating path and a projection of the second heating path onto a common plane lie at least partly next to one another in the common plane.

