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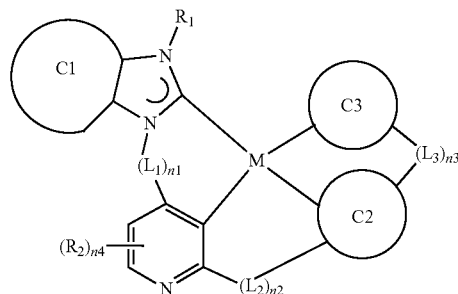
(19) **United States**(12) **Patent Application Publication****HAN et al.**(10) **Pub. No.: US 2023/0232704 A1**(43) **Pub. Date:****Jul. 20, 2023**(54) **LIGHT EMITTING DEVICE AND ORGANOMETALLIC COMPOUND FOR THE LIGHT EMITTING DEVICE**(71) Applicants: **Samsung Display Co., Ltd.**, Yongin-si (KR); **INDUSTRY-ACADEMIC COOPERATION FOUNDATION GYEONGSANG NATIONAL UNIVERSITY**, Jinju-si (KR)(72) Inventors: **JUNGHOO HAN**, Seoul (KR); **Yun-Hi KIM**, Jinju-si (KR); **Soon-Ki KWON**, Jinju-si (KR); **SOO-BYUNG KO**, Yongin-si (KR); **Gyeong Seok LEE**, Sacheon-si (KR)(52) **U.S. Cl.**CPC **H01L 51/0087** (2013.01); **H01L 51/0094** (2013.01); **H01L 51/0072** (2013.01); **H01L 51/0073** (2013.01); **H01L 51/0067** (2013.01); **H01L 51/0074** (2013.01); **H01L 51/0064** (2013.01); **C07F 15/0086** (2013.01); **C07B 2200/05** (2013.01)

(57)

ABSTRACT

A light emitting device that includes a first electrode, a second electrode oppositely disposed to the first electrode, and an emission layer between the first electrode and the second electrode is provided. The emission layer includes an organometallic compound represented by Formula 1:

Formula 1

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