

Title (en)  
NARROWBAND CAN MANUFACTURING

Title (de)  
HERSTELLUNG VON SCHMALBANDIGEN CAN

Title (fr)  
FABRICATION DE BOÎTES AU MOYEN D'UN SYSTÈME DOTÉ DE STATIONS D'IRRADIANCE À BANDE ÉTROITE

Publication  
**EP 4164809 A1 20230419 (EN)**

Application  
**EP 21822675 A 20210610**

Priority  
• US 202063037437 P 20200610  
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• US 2021036748 W 20210610

Abstract (en)  
[origin: WO2021252724A1] Disclosed herein is a system for use in can manufacturing wherein cans are washed, decorated and/or a coating has been sprayed onto an inside surface of cans comprises a first station including a first array of semiconductor-based narrowband irradiation devices positioned to irradiate and dry the cans through a mesh or open-spaced belt of a mass conveyor or a serial conveyor, a second station including a second array of semiconductor-based narrowband irradiation devices positioned to irradiate and cure ink applied to outsides of cans being transported on a conveyor, and a third station including a third array of semiconductor-based narrowband irradiation devices positioned to individually and electrically heat inside surfaces of each can moved into a curing zone using optical elements positioned outside the open end of the can.

IPC 8 full level  
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CPC (source: EP KR)  
**B05D 3/0263** (2013.01 - KR); **B05D 7/227** (2013.01 - KR); **B21D 51/26** (2013.01 - KR); **F26B 3/04** (2013.01 - EP KR); **F26B 3/30** (2013.01 - EP KR); **F26B 15/128** (2013.01 - EP KR); **F26B 15/18** (2013.01 - EP KR); **B05D 3/0263** (2013.01 - EP); **B05D 7/227** (2013.01 - EP); **B05D 2202/00** (2013.01 - EP KR); **B21D 51/26** (2013.01 - EP)

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