

Title (en)
METHOD FOR MANUFACTURING AN ELECTROCHROMIC GLAZING

Title (de)
VERFAHREN ZUR HERSTELLUNG EINER ELEKTROCHROMEN VERGLASUNG

Title (fr)
PROCÉDÉ DE FABRICATION D'UN VITRAGE ÉLECTROCHROME

Publication
EP 3887901 A1 20211006 (FR)

Application
EP 19868187 A 20191127

Priority
• FR 1872014 A 20181128
• FR 2019052821 W 20191127

Abstract (en)
[origin: WO2020109725A1] The present invention relates to a method for manufacturing an electrochromic glazing, said glazing having an electrochromic stack comprising: a first transparent conductive layer (TCO1), a layer of an electrochromic material (EC), a layer of an ionic conductive electrolyte (CI), a counter electrode layer (CE), a second transparent conductive layer (TCO2), said method comprising the following steps: providing a first glass panel (2) and a second glass panel (2); depositing a first transparent conductive layer (TCO1) on the first glass panel and a second transparent conductive layer (TCO2) on the second glass panel; depositing a layer of a material (EC) on the first transparent conductive layer (TCO1) and a counter electrode layer (CE) on the second transparent conductive layer (TCO2); depositing the layer of an ionic conductive electrolyte (CI) on either of the layers of an electrochromic material (EC) or counter electrode (CE); assembling the two glass panels to form a laminated glazing. The invention is characterized in that it further comprises at least one heat treatment step consisting in thermally treating at least one transparent conductive layer (TCO1, TCO2) of a glass panel by a rapid thermal treatment device before assembling the glass panels.

IPC 8 full level
C03C 17/34 (2006.01); **G02F 1/1524** (2019.01)

CPC (source: EP US)
C03C 17/3411 (2013.01 - US); **C03C 17/3417** (2013.01 - EP); **C03C 17/42** (2013.01 - EP); **G02F 1/155** (2013.01 - EP US); **C03C 2217/948** (2013.01 - EP); **C03C 2218/32** (2013.01 - EP US); **G02F 1/1524** (2018.12 - EP); **G02F 2001/1555** (2013.01 - US)

Citation (search report)
See references of WO 2020109725A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
FR 3088850 A1 20200529; FR 3088850 B1 20201211; CN 113039483 A 20210625; EP 3887901 A1 20211006; JP 2022509782 A 20220124; US 2022009825 A1 20220113; WO 2020109725 A1 20200604

DOCDB simple family (application)
FR 1872014 A 20181128; CN 201980078173 A 20191127; EP 19868187 A 20191127; FR 2019052821 W 20191127; JP 2021527067 A 20191127; US 201917297819 A 20191127