

Title (en)  
ARTIFICIAL FIREPLACE

Title (de)  
SIMULIERTE FEUERSTELLE

Title (fr)  
FOYER ARTIFICIEL

Publication  
**EP 3795904 A1 20210324 (FR)**

Application  
**EP 20184882 A 20200709**

Priority  
• FR 1910226 A 20190917  
• FR 1913416 A 20191128

Abstract (en)  
[origin: CA3151508A1] The invention relates to an artificial fireplace comprising an enclosure (2) delimited by a lower wall (3), an upper wall (4) and a peripheral wall (5), said peripheral wall comprising an opening (6), a bed of fake embers (9) being disposed inside the enclosure (2) on a base (8) defined by the lower wall (3), wherein said enclosure (2) is also provided with means (10) for projecting an image, in particular animated flames, towards a display screen (11) disposed in the enclosure (2) in a line of sight (7) extending through said opening (6). The display screen (11) is defined by a transparent glass plate (13) extending between the bed of fake embers (9) and the projection means (10), while forming, in relation to the incident ray (14) emanating from the projection means, an angle ranging between 50° and 56°, the projection means (10) being defined for broadcasting images, in particular animated flames, through a linear polarised light. The invention also relates to a fireplace unit (23) or stove comprising an artificial fireplace.

IPC 8 full level  
**F24B 1/18** (2006.01); **F24C 7/00** (2006.01)

CPC (source: CN EP US)  
**F21S 10/04** (2013.01 - CN US); **F24C 7/004** (2013.01 - EP US); **F24D 13/00** (2013.01 - CN); **F24D 19/00** (2013.01 - CN); **F24D 19/064** (2013.01 - CN); **G09F 19/18** (2013.01 - CN); **F21Y 2115/10** (2016.07 - CN); **F24D 2200/08** (2013.01 - CN)

Citation (applicant)  
• GB 2151772 A 19850724 - VALOR HEATING LTD  
• WO 02077533 A1 20021003 - VALOR LTD [GB], et al  
• EP 2807426 A2 20141203 - BASIC HOLDINGS [IE]

Citation (search report)  
• [A] FR 3059761 A1 20180608 - TEXAS DE FRANCE SAS [FR]  
• [A] CN 1808263 A 20060726 - DIMPLEX NORTH AMERICA LTD [CA]  
• [A] CN 1222226 A 19990707 - DIMPLEX NORTH AMERICA LTD [CA]  
• [A] CA 2726061 A1 20110504 - TWIN STAR INT INC [US]  
• [A] US 2006150966 A1 20060713 - JAMIESON DONALD R [CA]

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)  
**EP 3795904 A1 20210324**; **EP 3795904 B1 20220302**; CA 3151508 A1 20210325; CN 114450523 A 20220506; CN 114450523 B 20230530; DK 3795904 T3 20220607; ES 2914897 T3 20220617; JP 2023511638 A 20230322; PT 3795904 T 20220602; US 11788696 B2 20231017; US 2022364697 A1 20221117

DOCDB simple family (application)  
**EP 20184882 A 20200709**; CA 3151508 A 20200916; CN 202080065155 A 20200916; DK 20184882 T 20200709; ES 20184882 T 20200709; JP 2022517831 A 20200916; PT 20184882 T 20200709; US 202017761493 A 20200916