

Title (en)  
OPTICAL SYSTEM FOR FLOATING HOLOGRAMS

Title (de)  
OPTISCHES SYSTEM FÜR SCHWEBENDE HOLOGRAMME

Title (fr)  
SYSTÈME OPTIQUE POUR HOLOGRAMMES FLOTTANTS

Publication  
**EP 4330774 A2 20240306 (DE)**

Application  
**EP 22726036 A 20220427**

Priority

- DE 102021110734 A 20210427
- DE 102021121550 A 20210819
- DE 102021123515 A 20210910
- EP 2022061197 W 20220427

Abstract (en)  
[origin: WO2022229252A1] An optical system (110) comprises a plurality of optical channels (31, 32). A control unit (901) can switch light sources (111, 111#) of the optical channels (31, 32) separately on and off. In this way, different image motifs (780-1, 780-2) of a hologram (150) can be illuminated by a number of different illumination sources of at least one imaging holographic optical element (130).

IPC 8 full level  
**G03H 1/02** (2006.01); **B60K 35/10** (2024.01); **B60Q 3/10** (2017.01); **G02B 5/20** (2006.01); **G02B 5/32** (2006.01); **G03H 1/00** (2006.01); **G03H 1/22** (2006.01); **G03H 1/26** (2006.01); **G03H 1/30** (2006.01)

CPC (source: EP KR US)  
**B60K 35/00** (2013.01 - EP); **B60K 35/10** (2024.01 - EP); **G02B 5/32** (2013.01 - EP KR US); **G02B 27/0944** (2013.01 - EP KR US); **G02B 30/56** (2020.01 - KR); **G03H 1/02** (2013.01 - EP KR); **G03H 1/0248** (2013.01 - US); **G03H 1/22** (2013.01 - EP KR US); **G03H 1/2286** (2013.01 - US); **G03H 1/265** (2013.01 - KR); **B60K 2360/29** (2024.01 - EP); **B60Q 3/14** (2017.02 - EP); **B60Q 3/60** (2017.02 - EP); **G03H 1/265** (2013.01 - EP); **G03H 1/30** (2013.01 - EP); **G03H 2001/0061** (2013.01 - EP); **G03H 2001/0439** (2013.01 - US); **G03H 2001/2226** (2013.01 - EP); **G03H 2001/2605** (2013.01 - EP); **G03H 2222/12** (2013.01 - EP KR); **G03H 2222/24** (2013.01 - EP); **G03H 2222/34** (2013.01 - EP US); **G03H 2223/15** (2013.01 - EP); **G03H 2223/16** (2013.01 - EP KR US); **G03H 2223/17** (2013.01 - EP KR); **G03H 2223/23** (2013.01 - EP KR); **G03H 2223/24** (2013.01 - EP KR US); **G03H 2223/52** (2013.01 - US); **G03H 2226/02** (2013.01 - EP); **G03H 2226/05** (2013.01 - EP)

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

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**WO 2022229252 A1 20221103**; EP 4330772 A1 20240306; EP 4330773 A1 20240306; EP 4330774 A2 20240306; KR 20240001225 A 20240103; KR 20240004656 A 20240111; US 2024210877 A1 20240627; US 2024264564 A1 20240808; WO 2022229257 A2 20221103; WO 2022229257 A3 20230105; WO 2022238109 A1 20221117

DOCDB simple family (application)  
**EP 2022061185 W 20220427**; EP 2022061025 W 20220426; EP 2022061197 W 20220427; EP 22725768 A 20220426; EP 22726028 A 20220427; EP 22726036 A 20220427; KR 20237040811 A 20220427; KR 20237040816 A 20220427; US 202218557193 A 20220427; US 202218557400 A 20220427