

Title (en)
WRITING SURFACE BOUNDARY MARKERS FOR COMPUTER VISION

Title (de)
SCHREIBEN VON OBERFLÄCHENRANDMARKIERUNGEN FÜR COMPUTERSICHT

Title (fr)
MARQUEURS DE LIMITE DE SURFACE D'ÉCRITURE POUR VISION ARTIFICIELLE

Publication
EP 3953789 A4 20230118 (EN)

Application
EP 20788455 A 20200410

Priority
• US 201962833321 P 20190412
• US 2020027687 W 20200410

Abstract (en)
[origin: WO2020210637A1] A system for capturing, organizing, and storing handwritten notes includes a plurality of boundary markers. The boundary markers are configured to be positioned on a writing surface. Furthermore, the plurality of boundary markers have a fluorescent color. The system also includes a tangible non-transitory computer readable medium encoded with instructions which, when run on a camera-equipped computing device, causes the camera-equipped computing device to execute processes. The processes include capturing an image of the writing surface with the fluorescent markers thereon. The processes also include detecting the fluorescent colored boundary markers in the captured image. Additionally, the processes include identifying a virtual boundary in the captured image based on the positions of the fluorescent colored boundary markers. The processes then unwarped a portion of the captured image within the virtual boundary to produce an unwarped image.

IPC 8 full level
G06F 3/04845 (2022.01); **G06F 3/04883** (2022.01); **H04L 65/401** (2022.01); **H04L 65/611** (2022.01)

CPC (source: EP KR)
G06F 3/04845 (2013.01 - EP); **G06F 3/04883** (2013.01 - EP); **G06T 3/18** (2024.01 - KR); **G06T 5/80** (2024.01 - KR);
G06T 7/11 (2017.01 - KR); **G06T 7/194** (2017.01 - KR); **G06T 7/70** (2017.01 - KR); **H04L 65/4015** (2013.01 - EP); **H04L 65/611** (2022.05 - EP);
G06T 2207/20132 (2013.01 - KR); **G06T 2207/30204** (2013.01 - KR)

Citation (search report)
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• [YA] US 10127468 B1 20181113 - LEMAY JOSEPH [US], et al
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• [I] SONS OF TECHNOLOGY: "RocketBook Hacks #RocketWindow #RocketBoards", 24 January 2018 (2018-01-24), XP093005906, Retrieved from the Internet <URL:https://www.youtube.com/watch?v=Ekz698A8rZk> [retrieved on 20221207]
• See also references of WO 2020210637A1

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

DOCDB simple family (publication)
WO 2020210637 A1 20201015; AU 2020271104 A1 20211202; CA 3136438 A1 20201015; CN 114026598 A 20220208;
EP 3953789 A1 20220216; EP 3953789 A4 20230118; JP 2022527413 A 20220601; KR 20220002372 A 20220106

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US 2020027687 W 20200410; AU 2020271104 A 20200410; CA 3136438 A 20200410; CN 202080027842 A 20200410;
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