

Title (en)  
TEXT EDITING USING VOICE AND GESTURE INPUTS FOR ASSISTANT SYSTEMS

Title (de)  
TEXTBEARBEITUNG UNTER VERWENDUNG VON SPRACH- UND GESTENEINGABEN FÜR ASSISTENZSYSTEME

Title (fr)  
ÉDITION DE TEXTE À L'AIDE D'ENTRÉES VOCALES ET DE GESTES POUR DES SYSTÈMES D'ASSISTANT

Publication  
**EP 4302228 A1 20240110 (EN)**

Application  
**EP 22711794 A 20220303**

Priority  
• US 202163156209 P 20210303  
• US 202117407922 A 20210820  
• US 2022018697 W 20220303

Abstract (en)  
[origin: WO2022187480A1] In one embodiment, a method includes presenting a text message comprising n-grams via a user interface of a client system based on a user utterance received at the client system, receiving a first user request at the client system to edit the text message, presenting the text message visually divided into blocks via the user interface, wherein each block comprises one or more of the n-grams of the text message and the n-grams in each block are contiguous with respect to each other and grouped within the block based on an analysis of the text message by a natural-language understanding (NLU) module, receiving a second user request at the client system to edit one or more of the blocks, and presenting an edited text message generated based on the second user request via the user interface.

IPC 8 full level  
**G06F 40/30** (2020.01); **G06F 3/01** (2006.01); **G06Q 50/00** (2012.01); **G10L 15/00** (2013.01)

CPC (source: EP)  
**G06F 3/011** (2013.01); **G06F 3/013** (2013.01); **G06F 3/017** (2013.01); **G06F 3/0233** (2013.01); **G06F 3/0236** (2013.01); **G06F 3/0237** (2013.01); **G06F 3/04817** (2013.01); **G06F 3/0482** (2013.01); **G06F 3/04842** (2013.01); **G06F 3/167** (2013.01); **G06F 40/30** (2020.01); **G06Q 10/10** (2013.01); **G06Q 30/02** (2013.01); **G06Q 30/0601** (2013.01); **G06Q 50/01** (2013.01); **G10L 15/26** (2013.01); **G10L 15/1822** (2013.01)

Citation (search report)  
See references of WO 2022187480A1

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 2022187480 A1 20220909**; EP 4302228 A1 20240110; TW 202240461 A 20221016

DOCDB simple family (application)  
**US 2022018697 W 20220303**; EP 22711794 A 20220303; TW 111105810 A 20220217