

Title (en)  
METHOD OF SEQUENCE DETERMINATION USING SEQUENCE TAGS

Title (de)  
VERFAHREN ZUR SEQUENZBESTIMMUNG MITTELS SEQUENZTAGS

Title (fr)  
PROCÉDÉ DE DÉTERMINATION DE SÉQUENCE À L'AIDE D'ÉTIQUETTES DE SÉQUENCE

Publication  
**EP 2859123 A4 20151216 (EN)**

Application  
**EP 13804085 A 20130611**

Priority

- US 201261658317 P 20120611
- US 201261738277 P 20121217
- US 201361776647 P 20130311
- US 201313835093 A 20130315
- US 201361829054 P 20130530
- US 2013045276 W 20130611

Abstract (en)  
[origin: WO2013188471A2] The invention is directed to the use of sequence tags to improve sequence determination of amplicons of related sequences, particularly large and complex amplicons, such as those comprising recombinant nucleic acids encoding immune receptor molecules. In one aspect, sequence reads having the same sequence tags are aligned after which final base calls are determined from a (possibly weighted) average base call from sequence read base calls at each position. Similarly, in another aspect, sequence reads comprising series of incorporation signals are aligned by common sequence tags and base calls in homopolymer regions are made as a function incorporation signal values at each "flow" position.

IPC 8 full level  
**C12Q 1/68** (2006.01)

CPC (source: CN EP)  
**C12Q 1/6869** (2013.01 - EP); **C12Q 1/6874** (2013.01 - CN EP)

Citation (search report)

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- [A] WO 2012055929 A1 20120503 - ILLUMINA INC [US], et al
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- See references of WO 2013188471A2

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 2013188471 A2 20131219; WO 2013188471 A3 20140403**; AU 2013274366 A1 20150122; CA 2875542 A1 20131219; CN 104520443 A 20150415; EP 2859123 A2 20150415; EP 2859123 A4 20151216; JP 2015519081 A 20150709; SG 11201407888R A 20141230

DOCDB simple family (application)  
**US 2013045276 W 20130611**; AU 2013274366 A 20130611; CA 2875542 A 20130611; CN 201380042163 A 20130611; EP 13804085 A 20130611; JP 2015517372 A 20130611; SG 11201407888R A 20130611