



## (51) International Patent Classification:

A61K 38/08 (2006.01) C12N 9/50 (2006.01)  
A61K 38/16 (2006.01) C12N 9/64 (2006.01)

## (21) International Application Number:

PCT/US2014/033009

## (22) International Filing Date:

4 April 2014 (04.04.2014)

## (25) Filing Language:

English

## (26) Publication Language:

English

## (30) Priority Data:

61/808,861 5 April 2013 (05.04.2013) US

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT,

HN, HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

## Declarations under Rule 4.17:

— of inventorship (Rule 4.17(iv))

## Published:

— with international search report (Art. 21(3))  
— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

## (88) Date of publication of the international search report:

18 December 2014

(54) Title: MATRIX METALLOPROTEINASES AND USES THEREOF

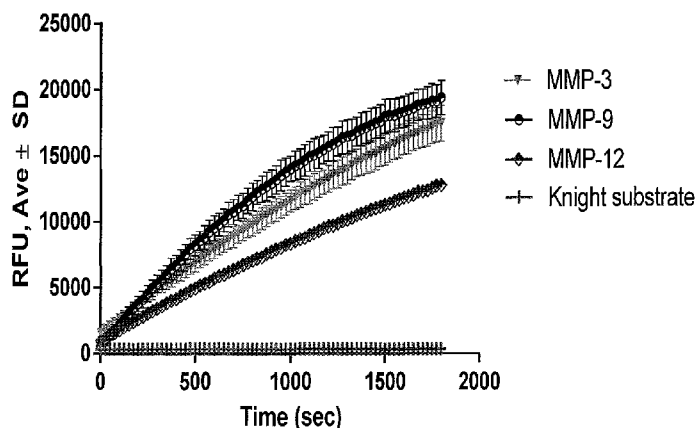


FIGURE 1

(57) Abstract: Matrix metalloproteinases (MMPs) compositions, inactive forms of MMPs (e.g. proMMPs), fragments, mutants, variants or combinations thereof. A pharmaceutical composition comprises one or more of the above in a pharmaceutical carrier. A composition comprises at least one of: a matrix metalloproteinase (MMP), an inactive MMP or a proenzyme (proMMP) thereof, wherein the matrix metalloproteinase (MMPs), inactive MMPs or proMMPs thereof, comprise: MMP-1, MMP-2, MMP-3, MMP-7, MMP-8, MMP-9, MMP-10, MMP-11, MMP-12, MMP-13, MMP-14, MMP-15, MMP-16, MMP-17, MMP-18, MMP-19, MMP-20, MMP-21, MMP-23A, MMP-23B, MMP-24, MMP-25, MMP-26, MMP-27, MMP-28, active fragments, mutants, variants or any combinations thereof. The uses include isolation of cells, in particular stem cells, from tissues, dissociation of tissues, proteins and treatment of a variety of conditions.