



(51) International Patent Classification:
C12N 5/077 (2010.01) G01N 33/50 (2006.01)

(21) International Application Number:
PCT/EP2018/067580

(22) International Filing Date:
29 June 2018 (29.06.2018)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
1750849-0 29 June 2017 (29.06.2017) SE

(71) Applicant: XINTELA AB [SE/SE]; Medicon Village, 223
81 Lund (SE).

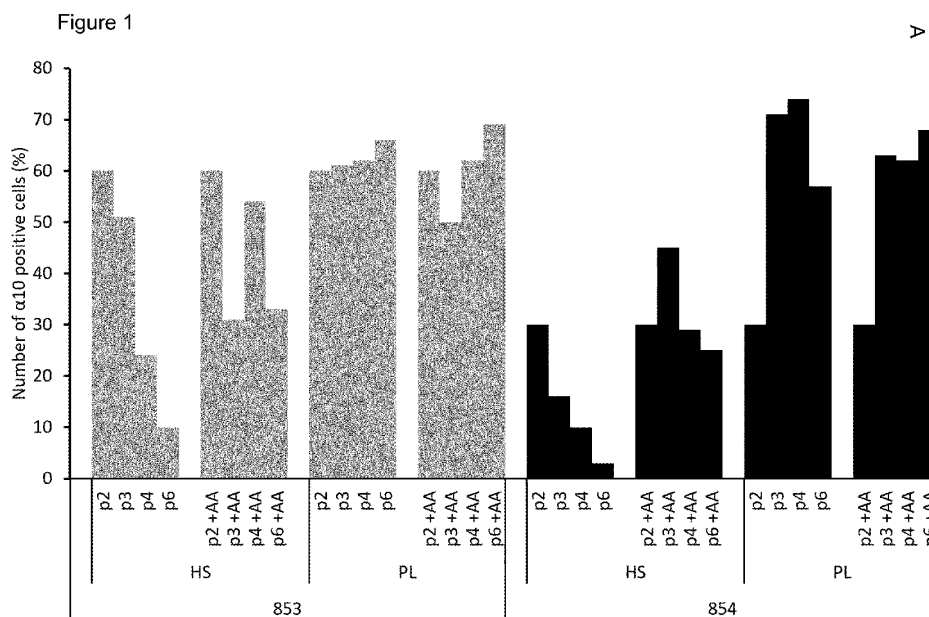
(72) Inventors: LUNDGREN ÅKERLUND, Evy; Troll-
sjövägen 165, 237 33 Bjärred (SE). CHMIELARSKA
MASOUMI, Katarzyna; Sommarlovsvägen 3D, 224 67
Lund (SE).

(74) Agent: HØIBERG P/S; Adelgade 12, 1304 Copenhagen K
(DK).

(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, DJ, DK, DM, DO,
DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN,
HR, HU, ID, IL, IN, IR, IS, JO, JP, KE, KG, KH, KN, KP,
KR, KW, KZ, LA, LC, LK, LR, LS, 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, ST, 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,

(54) Title: QUALITY ASSURANCE OF CHONDROCYTES



(57) Abstract: The present invention relates to methods that are based on expression of integrin alpha10 and integrin alpha11 on chondrocytes, used for determining purity, quality, degree of chondrocytic identity, chondrocytic potency, and/or degree of chondrocytic phenotype of a composition comprising chondrocytes, as well as for isolating and enriching a population of high quality chondrocytes and controlling culturing and expanding of high quality chondrocytes. The present invention relates also to composition comprising chondrocytes.

[Continued on next page]

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))*
— *with (an) indication(s) in relation to deposited biological
material furnished under Rule 13bis separately from the
description (Rules 13bis.4(d)(i) and 48.2(a)(viii))*