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(54)	Title	METHODS OF REVERSING CACHEXIA AND PROLONGING SURVIVAL COMPRISING ADMINISTERING A GDF15 MODULATOR AND AN ANTI-CANCER AGENT
(56)	References Cited:	WO-A1-2014/100689 WO-A1-2005/099746 VICKY W. W. TSAI ET AL: "Anorexia/cachexia of chronic diseases: a role for the TGF- β family cytokine MIC-1/GDF15", JOURNAL OF CACHEXIA, SARCOPENIA AND MUSCLE, vol. 3, no. 4, 31 December 2012 (2012-12-31), pages 239-243, XP055105895, ISSN: 2190-5991, DOI: 10.1007/s13539-012-0082-6 JOHNEN HEIKO ET AL: "Tumor-induced anorexia and weight loss are mediated by the TGF-beta superfamily cytokine MIC-1", NATURE MEDICINE, NATURE PUBLISHING GROUP, NEW YORK, NY, US, vol. 13, no. 11, 1 November 2007 (2007-11-01), pages 1333-1340, XP002607045, ISSN: 1078-8956, DOI: 10.1038/NM1677 [retrieved on 2007-11-04] JEFFREY S DAMRAUER ET AL: "Chemotherapy-induced muscle wasting: association with NF-kappaB cancer cachexia", BASIC APPLIED MYOLOGY, UNIPRESS, IT, vol. 18, no. 5, 1 January 2008 (2008-01-01), pages 139-148, XP002733150, ISSN: 1120-9992

THOMAS ET AL: "Loss of skeletal muscle mass in aging: Examining the relationship of starvation, sarcopenia and cachexia", CLINICAL NUTRITION, CHURCHILL LIVINGSTONE, LONDON, GB, vol. 26, no. 4, 26 July 2007 (2007-07-26), pages 389-399, XP022159281, ISSN: 0261-5614, DOI: 10.1016/J.CLNU.2007.03.008

Enclosed is a translation of the patent claims in Norwegian. Please note that as per the Norwegian Patents Acts, section 66i the patent will receive protection in Norway only as far as there is agreement between the translation and the language of the application/patent granted at the EPO. In matters concerning the validity of the patent, language of the application/patent granted at the EPO will be used as the basis for the decision. The patent documents published by the EPO are available through Espacenet (<http://worldwide.espacenet.com>) or via the search engine on our website here: <https://search.patentstyret.no/>

PATENTKRAV

1. Minst ett kjemoterapeutisk middel mot kreft og minst ett anti-GDF15 antistoff eller GDF15-bindende fragment derav for anvendelse ved
5 behandling av cellegiftindusert kakeksi ved å øke totaloverlevelsen hos et individ som har cellegiftindusert kakeksi.
2. Det minst ene antikreftmiddel og det minst ene anti-GDF15-antistoff eller GDF15-bindende fragment derav for anvendelse ifølge krav 1, hvor
10 antikreftmidlet er valgt fra gruppen bestående av: capecitabin, gemcitabin, doksorubicin, cisplatin, karboplatin og oksaliplatin.
3. Det minst ene kjemoterapeutiske middel mot kreft og det minst ene anti-GDF15-antistoff eller GDF15-bindende fragment derav for
15 anvendelse ifølge krav 1, hvor administrering av anti-GDF15-antistoffet eller GDF15-bindende fragment derav og det kjemoterapeutiske anti-kreftmidlet forlenger gjennomsnittlig overlevelse i en første pasientpopulasjon med cellegiftindusert kakeksi i forhold til en annen pasientpopulasjon med cellegiftindusert kakeksi som ikke mottar
20 GDF15-modulatoren.