

Title (en)
METHODS FOR MEASURING REDUCING EQUIVALENT PRODUCTION BY TISSUES TO DETERMINE METABOLIC RATES AND METHODS OF USE

Title (de)
VERFAHREN ZUR MESSUNG DER REDUZIERUNGSÄQUIVALENTPRODUKTION DURCH GEWEBE ZUR BESTIMMUNG DER STOFFWECHSELRATE UND VERFAHREN ZUR VERWENDUNG DAVON

Title (fr)
PROCÉDÉS DE MESURE DE LA PRODUCTION ÉQUIVALENTE DE RÉDUCTION PAR DES TISSUS POUR DÉTERMINER DES TAUX MÉTABOLIQUES ET PROCÉDÉS D'UTILISATION

Publication
EP 3709818 A1 20200923 (EN)

Application
EP 18878766 A 20181115

Priority

- US 201762586578 P 20171115
- US 201815754126 A 20180221
- US 2018061349 W 20181115

Abstract (en)
[origin: WO2019099717A1] Methods for identifying animals that are genetically superior, drugs, nutritional strategies, or physiological manipulations that improve feed efficiency or productivity of animals, e.g., selecting animals that are genetically superior for feed efficiency or productivity based on metabolic rates of particular tissues, wherein metabolic rates of certain tissues such as skeletal muscle are inversely proportional to feed efficiency, while metabolic rates of other tissues such as mammary gland are directly proportional to milk production. Thus, animals with low skeletal muscle metabolic rates are generally more feed efficient, e.g., gain more weight per unit of food. The methods herein may be used to improve the genetics, nutrition, and handling of animals more efficiently produced animal products, e.g., meat production, milk, production, egg production, wool production, etc. The methods herein may also be used to determine estimated breeding values of animals for feed efficiency, growth, or production.

IPC 8 full level
A23K 50/00 (2016.01); **A23K 50/10** (2016.01); **C12Q 1/68** (2018.01)

CPC (source: EP)
A23K 50/00 (2016.05); **A23K 50/10** (2016.05); **C12Q 1/008** (2013.01); **G01N 33/5088** (2013.01); **G01N 33/52** (2013.01); **G01N 33/582** (2013.01); **G06Q 50/02** (2013.01)

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

DOCDB simple family (publication)
WO 2019099717 A1 20190523; AU 2018370021 A1 20200702; AU 2018370021 B2 20231109; BR 112020009559 A2 20201103; CA 3082604 A1 20190523; CN 111491520 A 20200804; CN 111491520 B 20241022; EP 3709818 A1 20200923; EP 3709818 A4 20210728

DOCDB simple family (application)
US 2018061349 W 20181115; AU 2018370021 A 20181115; BR 112020009559 A 20181115; CA 3082604 A 20181115; CN 201880081453 A 20181115; EP 18878766 A 20181115