

Title (en)
COMBINE HARVESTER CONCAVE THRESHING BAR

Title (de)
DRESCHKORBLEISTE EINES MÄHDRESCHERS

Title (fr)
BARRE DE BATTAGE CONCAVE DE MOISSONNEUSE-BATTEUSE

Publication
EP 4100436 A4 20240320 (EN)

Application
EP 21775941 A 20210319

Priority
• US 202016826194 A 20200321
• US 2021023140 W 20210319

Abstract (en)
[origin: WO2021194873A1] A threshing concave assembly is disclosed having a threshing concave bar wherein the threshing bar is comprised of two threshing surfaces having a dihedral angle relationship relative to each other. In addition, in another aspect the threshing bar can be comprised of two dihedral surfaces whereby one surface face has about 130% greater surface area than its adjacent surface face. Alternatively, one surface face of the threshing bar can be 1.3x wider than its adjacent surface face. In another aspect the threshing bar can be comprised of two dihedral surfaces whereby one surface face has about a 170% greater surface area than its adjacent surface face.

IPC 8 full level
C07K 16/20 (2006.01); **A01F 7/04** (2006.01); **A01F 7/06** (2006.01); **A01F 12/24** (2006.01); **C07K 16/40** (2006.01)

CPC (source: EP)
A01F 7/04 (2013.01); **A01F 7/06** (2013.01); **A01F 12/24** (2013.01); **A01F 12/26** (2013.01)

Citation (search report)
• [X] US 8690652 B1 20140408 - ESTES DONALD J [US]
• [A] US 2018359926 A1 20181220 - ESTES DONALD J [US]
• [A] US 2018199515 A1 20180719 - KILE KEVIN J [US]
• [A] US 2019200532 A1 20190704 - ROBERTSON BRIAN G [US]
• [A] US 2018368325 A1 20181227 - KOUDELA CHAD A [US]
• See also references of WO 2021194873A1

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 2021194873 A1 20210930; AR 121614 A1 20220622; BR 112022018824 A2 20221122; CA 3170949 A1 20210930;
EP 4100436 A1 20221214; EP 4100436 A4 20240320

DOCDB simple family (application)
US 2021023140 W 20210319; AR P210100686 A 20210318; BR 112022018824 A 20210319; CA 3170949 A 20210319;
EP 21775941 A 20210319