

Title (en)
WIPER ARRANGEMENT

Title (de)
ABSTREIFERANORDNUNG

Title (fr)
ENSEMBLE RACLEUR

Publication
EP 4108830 B1 20230809 (DE)

Application
EP 22173402 A 20220516

Priority
DE 102021115960 A 20210621

Abstract (en)
[origin: US2022403606A1] A scraper arrangement for a soil tilling roller of a soil tilling machine, comprising a scraper bar (32) which is elongated in the direction of a longitudinal bar axis (B) and is to be attached or is attached by means of at least two articulated units (40) to a machine frame (22) of a soil tilling machine (10) so that it can pivot between an active position and an inactive position, wherein each articulated unit (40) comprises a first articulated carrier element (42) intended to be fixed to a machine frame (22) and a second articulated carrier element (44) intended to be fixed to the scraper bar (32), characterised in that each articulated unit (40) further comprises at least one first articulated connection element (46), wherein the at least one first articulated connection element (46) is pivotably connected to the first articulated carrier element (42) about a first pivot axis (S1) in a first pivot coupling region (50) of the at least one first articulated connection element (46) and is pivotably connected to the second articulated carrier element (44) about a second pivot axis (S2) which is substantially parallel to the first pivot axis (S1) in a second pivot coupling region (54) of the at least one first articulated connection element (46), and comprises at least one second articulated connection element (48), wherein the at least one second articulated connection element (48) is pivotably connected to the first articulated carrier element (42) about a third pivot axis (S3) which is substantially parallel to the first pivot axis (S1) in a first pivot coupling region (60) of the at least one second articulated connection element (48) and is pivotably connected to the second articulated carrier element (44) about a fourth pivot axis (S4) which is substantially parallel to the third pivot axis (S3) in a second pivot coupling region (66) of the at least one second articulated connection element (48).

IPC 8 full level
E01C 19/23 (2006.01)

CPC (source: CN EP US)
E01C 19/238 (2013.01 - EP US); **E01C 19/26** (2013.01 - US); **E01C 19/286** (2013.01 - CN); **E01C 2301/20** (2013.01 - CN)

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)
EP 4108830 A1 20221228; EP 4108830 B1 20230809; CN 115573225 A 20230106; CN 218492211 U 20230217;
DE 102021115960 A1 20221222; US 2022403606 A1 20221222

DOCDB simple family (application)
EP 22173402 A 20220516; CN 202210722397 A 20220620; CN 202221539246 U 20220620; DE 102021115960 A 20210621;
US 202217843267 A 20220617