

Title (en)
FARM IRRIGATION WHEEL

Title (de)
LANDWIRTSCHAFTLICHES BEWÄSSERUNGSRAD

Title (fr)
ROUE D'IRRIGATION AGRICOLE

Publication
EP 4301607 A1 20240110 (EN)

Application
EP 22764263 A 20220302

Priority
• US 202117189645 A 20210302
• US 2022070926 W 20220302

Abstract (en)
[origin: CN117279789A] A wheel having a circular ring is provided. The circular ring has a rotational axis and an outer surface. A plurality of brackets are mounted on the outer surface of the circular ring in a side-by-side position. Each of the plurality of brackets has a central rib, a first leg and a second leg, each leg extending laterally from the central rib and opposite each other, and a bracket plate adapted to connect the first leg to the central rib. The outermost point of each central rib may form a circular pattern coaxial with the axis of rotation. A wheel may have a rim nested within the circular ring, the rim having a plurality of alternating rounded tooth protrusions, where the rim is configured to provide appropriate clearance for a tool during bracket assembly and removal while increasing the carrying capacity of the wheel.

IPC 8 full level
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CPC (source: EP KR)
B60B 15/18 (2013.01 - EP); **B60B 15/20** (2013.01 - EP KR); **B60B 15/22** (2013.01 - EP KR)

Citation (search report)
See references of WO 2022187833A1

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Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

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