

Title (en)  
BUCKET WHEEL EXCAVATOR WITH OFFSET CONVEYOR DEVICE

Title (de)  
SCHAUFELRADBAGGER MIT VERSETZTER FÖRDEREINRICHTUNG

Title (fr)  
EXCAVATEUR À GODETS AVEC DISPOSITIF DE TRANSPORT DÉCALÉ

Publication  
**EP 3642454 A1 20200429 (DE)**

Application  
**EP 18745826 A 20180620**

Priority

- DE 102017210277 A 20170620
- EP 2018066444 W 20180620

Abstract (en)  
[origin: WO2018234390A1] The invention relates to a bucket wheel excavator (1) for continuously excavating material (5), in particular in open-cast mining, having a bucket wheel (2) which can be rotated about a central axis (M) and which has a plurality of shovels (3) arranged on the circumference, a bucket wheel width (SB), and a bucket wheel radial plane (Y) of symmetry; a conveyor device (4) with a main extension axis (F) for conveying the material (5) excavated using the bucket wheel (2) and with a belt system width (BB); a boom (6) which can be pivoted about a vertical pivot axis (X) and to which the bucket wheel (2) and the conveyor device (4) are attached; and a chute (7) for receiving the material (5) from the conveyor device (4), wherein the main extension axis (F) of the conveyor device (4) is skewed relative to the pivot axis (X) of the boom (6).

IPC 8 full level  
**E21C 47/00** (2006.01); **B65G 65/20** (2006.01); **E02F 3/18** (2006.01); **E02F 7/02** (2006.01)

CPC (source: EP)  
**E02F 3/181** (2013.01); **E02F 3/188** (2013.01); **E02F 7/02** (2013.01); **E21C 47/00** (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)  
**DE 102017210277 A1 20181220**; EP 3642454 A1 20200429; EP 3642454 B1 20240814; WO 2018234390 A1 20181227

DOCDB simple family (application)  
**DE 102017210277 A 20170620**; EP 18745826 A 20180620; EP 2018066444 W 20180620