

Title (en)

Ground crushing and screening device for a bucket, a fixed screen or other, and relative bucket or fixed screen

Title (de)

Erdsieb- und Zerkleinerungsvorrichtung für Baggerschaufeln oder stationäre Siebeinrichtungen und dementsprechende Baggerschaufel oder Siebeinrichtung

Title (fr)

Appareil pour broyer et cribler du sol pour une pelle d'excavatrice ou un crible fixe, et un godet ou un crible comprenant cet appareil

Publication

**EP 2458096 A1 20120530 (EN)**

Application

**EP 11191108 A 20111129**

Priority

IT UD20100220 A 20101129

Abstract (en)

Ground crushing and screening device for a bucket (12), of a fixed screen or other, comprising a blade (10) having first constraint end (42) to be keyed to a rotating roller (28), a second end (44) opposite the first end (42), and an intermediate connection body (46) between the first end (42) and the second end (44), which has a development in a substantially linear direction (L), in use directed radially with respect to the roller (28) on which the blade is keyed. The second end (44) of the blade has a fragmentation profile inclined backward with respect to a direction of rotation (F) of the roller (28) having at least a segment (48) inclined by a desired first acute angle ( $\pm 1$ ) with respect to the direction (L) of development of the intermediate body (46).

IPC 8 full level

**E02F 3/96** (2006.01); **B02C 18/18** (2006.01); **E02F 3/40** (2006.01)

CPC (source: EP)

**B02C 18/142** (2013.01); **B02C 18/182** (2013.01); **E02F 3/407** (2013.01); **E02F 7/06** (2013.01); **E02F 9/2858** (2013.01); **E02F 9/2866** (2013.01); **B02C 2018/188** (2013.01)

Citation (applicant)

- EP 2236678 A2 20101006 - FOFFANI ALESSANDRO [IT]
- FR 2423263 A1 19791116 - SOSSON GUY [FR]
- DE 3345299 A1 19850627 - VOELK MASCHINENBAU [DE]
- US 7007877 B1 20060307 - KUHMONEN MAURI [FI]

Citation (search report)

- [AD] US 7007877 B1 20060307 - KUHMONEN MAURI [FI]
- [AD] FR 2423263 A1 19791116 - SOSSON GUY [FR]
- [AD] DE 3345299 A1 19850627 - VOELK MASCHINENBAU [DE]
- [A] WO 0114651 A1 20010301 - TOJO MASKIN AB [SE], et al
- [A] WO 9400644 A1 19940106 - YRJOELAE MIKKO [FI]
- [A] WO 2007011316 A2 20070125 - DOCAR MILAN [SK]
- [A] EP 2236678 A2 20101006 - FOFFANI ALESSANDRO [IT]

Cited by

CN110799707A; CN110665580A; GB2554888A; JP2016223193A; KR102082964B1; CN107511232A; CN112252396A; CN106914327A; JP2019183595A; CN107233985A; WO2016207714A1

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)

**EP 2458096 A1 20120530**; **EP 2458096 B1 20130807**; IT 1402808 B1 20130918; IT UD20100220 A1 20120530

DOCDB simple family (application)

**EP 11191108 A 20111129**; IT UD20100220 A 20101129