

Title (en)

Dug volume control for a bucket wheel excavator.

Title (de)

Fördermengenregelung eines Schaufelradbaggers oder Schaufelradaufnehmers im Tagebau.

Title (fr)

Commande du volume excavé par une roue à godet.

Publication

EP 0412399 B1 19940105 (DE)

Application

EP 90114612 A 19900730

Priority

DE 3926222 A 19890808

Abstract (en)

[origin: EP0412399A1] The invention relates to an extracted-quantity control system for a bucket wheel excavator (6), in which the slewing speed of the bucket wheel boom (7) and/or its vertical position is controlled while taking into account the bucket-wheel drive current as well as the weight and volume of the extracted material, the extracted volume of solid material cut by the bucket wheel being used as a further control variable. <IMAGE>

IPC 1-7

E02F 3/18; **E02F 3/84**; **E02F 9/20**; **E02F 9/26**

IPC 8 full level

E02F 3/18 (2006.01); **E02F 3/84** (2006.01); **E02F 9/20** (2006.01); **E02F 9/26** (2006.01)

CPC (source: EP)

E02F 3/18 (2013.01); **E02F 9/265** (2013.01)

Citation (examination)

- DE 1634712 A1 19700716 - KRUPP GMBH
- US 4695163 A 19870922 - SCHACHAR RONALD A [US]

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US9206587B2; DE102019214626A1; CN108661107A; EP1010818A1; CN112105781A; US8768579B2; US9315967B2; US9567725B2; US11082010B2; US6369376B1; WO2019162201A1; WO9902788A1; US11885958B2; US11933967B2; US9745721B2; US10655301B2; US11137480B2; US11550036B2; US11698443B2; US11822012B2; US11703569B2; US11808891B2; US10983218B2; US11073617B2; US11550056B2; US11561305B2; US11808854B2; US11874377B2; US10227754B2; USRE48491E; USRE48490E; USRE48504E; USRE48503E; US11028560B2; USRE48666E; USRE48688E

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EP 0412399 A1 19910213; **EP 0412399 B1 19940105**; AT E99758 T1 19940115; AU 6027890 A 19910214; AU 634802 B2 19930304; DE 59004104 D1 19940217; ES 2048372 T3 19940316

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