

Title (en)  
DEVICE INTENDED FOR COLLECTING SOLID DEBRIS IN AN ELECTROLYTIC CELL INTENDED FOR THE PRODUCTION OF ALUMINIUM

Title (de)  
VORRICHTUNG ZUR AUFNAHME VON FESTER DEBRIS BEI EINER ELEKTROLYSEZELLE ZUR HERSTELLUNG VON ALUMINIUM

Title (fr)  
DISPOSITIF DESTINE A COLLECTER DES DEBRIS SOLIDES DANS UNE CUVE D'ELECTROLYSE DESTINEE A LA PRODUCTION D'ALUMINIUM

Publication  
**EP 2510136 A1 20121017 (FR)**

Application  
**EP 10799073 A 20101207**

Priority  
• FR 0905992 A 20091211  
• FR 2010000813 W 20101207

Abstract (en)  
[origin: WO2011070245A1] Collection unit (100), of bucket scoop type, used in a cell for producing aluminium, comprising: a) a means of attachment to a mobile support (5'); b) a connection (52, 52') activated by a first actuator (50) that moves relative to said mobile support in a vertical direction; c) a frame (110) firmly attached to said connection; d) at least one articulated bucket (120a, 120b) that pivots about an axis (115a, 115b) mounted on said frame, that has a blade (128a, 128b) and that pivots about said substantially horizontal axis. Said first actuator (50) is connected to a programmable control system capable of determining the altitude of said axis and the difference in altitude between said blade and said axis, defining the vertical displacement to be imposed upon said collection unit, defining and transmitting to said first actuator the appropriate control flow in order to impose said vertical displacement. The control flow may be a control current transmitted by a speed controller to an electric motor or a flow of oil feeding the chamber of a hydraulic cylinder, controlled by a servo valve.

IPC 8 full level  
**C25C 3/06** (2006.01); **B66C 3/02** (2006.01); **B66C 3/16** (2006.01); **B66C 3/20** (2006.01)

CPC (source: EP US)  
**B66C 3/02** (2013.01 - EP US); **B66C 3/16** (2013.01 - EP US); **B66C 3/20** (2013.01 - EP US); **C25C 3/06** (2013.01 - EP US)

Citation (search report)  
See references of WO 2011070245A1

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