

Title (en)

METHOD AND APPARATUS FOR ADDING ALUMINUM AND CALCIUM TO MOLTEN LEAD

Title (de)

VERFAHREN UND VORRICHTUNG ZUM EINBRINGEN VON ALUMINIUM UND KALZIUM IN FLÜSSIGESBLEI

Title (fr)

PROCEDE ET APPAREIL PERMETTANT D'AJOUTER DE L'ALUMINIUM ET DU CALCIUM A DU PLOMB FONDU

Publication

**EP 0788558 B1 19990210 (EN)**

Application

**EP 95931106 A 19950919**

Priority

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- CA 2132485 A 19940920

Abstract (en)

[origin: WO9609418A1] Process and apparatus for adding calcium and aluminum to molten lead to produce a lead-calcium alloy suitable for battery grids. Particles of calcium and aluminum metal or alloys thereof are fed into the interior of a tubular housing having a wall extending down into the molten lead and having a bottom opening at a relatively large depth below the lead surface and having openings in its wall at a relatively small depth below the lead surface. A rotary impeller which acts at least partially as a centrifugal impeller is positioned in the housing to cause swirling of lead carrying the particles within the housing, the shape of the housing and the nature and position of the impeller being such as to ensure that lead carrying the particles is swirled against the housing wall and recirculated within the housing before the lead leaves the housing.

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