

Title (en)

An apparatus and a method for separating one solid component from another solid component in suspension in liquid.

Title (de)

Verfahren und Vorrichtung zur Trennung von zwei festen Komponenten in einer flüssigen Suspension.

Title (fr)

Procédé et dispositif pour séparer deux composants solides en suspension dans un liquide.

Publication

EP 0247844 A2 19871202 (EN)

Application

EP 87304681 A 19870527

Priority

ZA 863945 A 19860527

Abstract (en)

Undersize and oversize particles are separated by means of a continuous screen cloth (12) that has a horizontal operative separating region. Material is fed onto the cloth from a feedbox at one end of the operative separating region. There are three rows of sprays (36, 40 and 42) located at spaced positions underneath the cloth in the operative separating region. These sprays dislodge oversize particles that block the apertures of the cloth and fluidise the material, allowing undersize particles to pass through the apertures.

IPC 1-7

B07B 1/10; **B07B 1/55**

IPC 8 full level

B07B 1/10 (2006.01); **B07B 1/55** (2006.01)

CPC (source: EP)

B07B 1/10 (2013.01); **B07B 1/55** (2013.01)

Cited by

US5045181A; GB2237521A; GB2237521B; CN108435406A; EP3670760A3; US11421398B2

Designated contracting state (EPC)

AT DE ES FR GB IT SE

DOCDB simple family (publication)

EP 0247844 A2 19871202; **EP 0247844 A3 19881102**; AU 589009 B2 19890928; AU 7347587 A 19871203; BR 8702721 A 19880301; FI 872331 A0 19870526; FI 872331 A 19871128; ZW 9787 A1 19870916

DOCDB simple family (application)

EP 87304681 A 19870527; AU 7347587 A 19870527; BR 8702721 A 19870527; FI 872331 A 19870526; ZW 9787 A 19870527