

Title (en)

Procees and device for pneumatic flotation separation

Title (de)

Verfahren und Vorrichtung zur Trennung mittels pneumatischer Flotation

Title (fr)

Procédé et dispositif pour la séparation par flottation pneumatique

Publication

**EP 1084753 A2 20010321 (EN)**

Application

**EP 00307484 A 20000831**

Priority

GB 9921716 A 19990914

Abstract (en)

A separating device (10) especially for use in a pneumatic flotation system comprises an annular channel (18), at least one nozzle (16) for introducing aerated pulp substantially horizontally and tangentially into the annular channel (18), froth extraction means (26) for the removal of separated froth from the annular channel (18), and pulp extraction means (24) for the removal of separated pulp from the annular channel (18), the at least one nozzle (16) being configured so that the aerated pulp introduced into the annular channel (18) rotates therein with centrifugal forces of between 5 and 20 ms<sup>-2</sup>. <IMAGE>

IPC 1-7

**B03D 1/14**

IPC 8 full level

**B03D 1/14** (2006.01)

CPC (source: EP)

**B03D 1/1418** (2013.01); **B03D 1/247** (2013.01); **B03D 1/1462** (2013.01)

Cited by

CN112723454A; CN113976333A; US7108136B2; WO02074440A1; US9656273B2; US9919320B2

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