

Title (en)
Star screen with cleaning arrangement

Title (de)
Sternsieb mit Reinigungsvorrichtung

Title (fr)
Tamis à étoiles avec dispositif de nettoyage

Publication
EP 1764163 A1 20070321 (DE)

Application
EP 06014528 A 20060713

Priority
DE 102005044552 A 20050917

Abstract (en)
Star-wheel sieving machine provided with in-use cleaning device (15) has star wheels (18) and cleaning-comb fingers (17) of preferably resilient / elastic material. Cleaning device is a hinged rod construction which may be cylinder actuated (44), can simultaneously clean multiple wheel rows, and is mounted above the sieve to exert both a first, 'probing' action and a second, 'contact' cleaning action. The cleaning device (15) is parked above the star wheels and product flow when not in use. When activated, the cylinder moves the multiple comb assembly downward to insert the comb fingers, or tines, into some of the cavities between the star arms on each wheel. The comb moves to a second position where the fingers cause slight deformation of the elastic star arms, to further dislodge adhering material.

IPC 8 full level
B07B 1/15 (2006.01); **B07B 1/52** (2006.01)

CPC (source: EP)
B07B 1/155 (2013.01); **B07B 1/526** (2013.01)

Citation (applicant)
• DE 10060721 A1 20020613 - HERMANN BACKERS MASCHB [DE]
• DE 29808309 U1 19980723 - BG RECYCLINGMASCHINEN GMBH [DE]

Citation (search report)
[XA] DE 29808309 U1 19980723 - BG RECYCLINGMASCHINEN GMBH [DE]

Cited by
CN112403898A; CN105312226A; CN108097419A; CN105537123A

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