

Title (en)

Foot pad enhanced friction device and method for submersible swimming pool cleaner

Title (de)

Mit Fußmatte verbesserte Abriebvorrichtung und Verfahren für einen tauchfähigen Schwimmbadreiniger

Title (fr)

Dispositif de friction amélioré de talon et procédé de nettoyage de piscine submersible

Publication

EP 2325417 A2 20110525 (EN)

Application

EP 10251935 A 20101116

Priority

US 26144309 P 20091116

Abstract (en)

A footpad (10) for a swimming pool cleaner (12) carries a footpad (10) which itself carries a flexible vacuum seal (16) for contacting a submerged surface (18) during movement of the cleaner (12) driven by an interrupted fluid flow (20) through the cleaner (12). The footpad (10) includes a bottom contoured surface (26) and is formed from a first material making frictional contact with the submerged surface (18). The footpad (10) is characterized by a removable friction pad insert (38) locked within an aft most bottom surface portion (40) of the footpad (10). The insert (38) is formed from a second material making a greater frictional contact with the submerged surface than the first material of the footpad (10). The insert (38) further has an arcuate surface (50) generally shaped to conform to and protrude from the bottom contoured surface (26) of the footpad (10).

IPC 8 full level

E04H 4/16 (2006.01)

CPC (source: EP)

E04H 4/1663 (2013.01)

Citation (applicant)

- US 4023227 A 19770517 - CHAUVIER FERNAND LOUIS OSCAR J
- US 4351077 A 19820928 - HOFMANN HELMUT J
- US 7159263 B2 20070109 - SEBOR PAVEL [US]
- US 6463614 B1 20021015 - SUPRA CARL FREDERICK WILHELM [ZA]

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

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