

Title (en)
Cleaning apparatus

Title (de)
Reinigungsvorrichtung

Title (fr)
Dispositif de nettoyage

Publication
EP 0920923 A3 20000223 (EN)

Application
EP 98309951 A 19981204

Priority
GB 9725948 A 19971208

Abstract (en)
[origin: EP0920923A2] A cleaning apparatus adapted for use in fuel hydrant pipelines and the like when that pipeline is full of product, comprises a sledge (10) carrying magnets (3) carried below a deck (1) of the sledge for removing magnetically susceptible particles and a suction foot (4) attached to a hose (7) via a swivel connection (5). The other end of the hose is connected to vacuum generating means so that a reduced pressure area is generated below the suction foot (4). The sledge (10) is adapted to enter the pipeline via features thereof, such as risers, which are of a smaller diameter than the main pipeline. The sledge (10) is movable through the pipeline, for example, by using draw wires attached to (holes) 6 in the deck (1). <IMAGE>

IPC 1-7
B08B 9/04

IPC 8 full level
B08B 9/04 (2006.01); **B08B 9/043** (2006.01)

CPC (source: EP)
B08B 9/035 (2013.01); **B08B 9/043** (2013.01)

Citation (search report)
• [XA] DE 3440432 A1 19860507 - BLUM ALBERT [DE]
• [A] US 5461746 A 19951031 - BANIK NIRANJAN [US], et al
• [XA] PATENT ABSTRACTS OF JAPAN vol. 016, no. 366 (M - 1291) 7 August 1992 (1992-08-07)

Cited by
CN109141326A

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
EP 0920923 A2 19990609; EP 0920923 A3 20000223; EP 0920923 B1 20030910; DE 69817983 D1 20031016; DE 69817983 T2 20040715; GB 2332032 A 19990609; GB 2332032 B 20010919; GB 9725948 D0 19980204

DOCDB simple family (application)
EP 98309951 A 19981204; DE 69817983 T 19981204; GB 9725948 A 19971208