

Title (en)  
Spin dryer with plastic drum.

Title (de)  
Wäscheschleuder mit Kunststofftrommel.

Title (fr)  
Essoreuse centrifuge à tambour en matière plastique.

Publication  
**EP 0103418 A2 19840321 (EN)**

Application  
**EP 83304704 A 19830815**

Priority  
GB 8226309 A 19820915

Abstract (en)  
The invention relates to a rotary washing drying or tumbling machine and particularly to a spin dryer of the type in which an electric motor drives a spinning drum. The spinning drum (22) is in two cup shaped portions (39) and (40) joined at flanges (44) and (42) by spin friction welding. The upper portion (39) of the drum has apertures (43) through which water can flow to the outside of the drum. Portion (49) has at its upper end a balance ring (47) of dense metal or very dense plastic which is attached to the upper drum portion (39) by plastic rivets. The lower portion (40) of the drum is attached to a mounting (21) which is then directly attached to a motor shaft. The two flanges (44) and (42) have cooperating projecting ring and groove features to enable the two drum portions to be brought together and held in precise location during the spin friction welding operation. The preferred material for the drum is polypropylene.

IPC 1-7  
**D06F 49/02**

IPC 8 full level  
**D06F 49/02** (2006.01)

CPC (source: EP)  
**D06F 49/02** (2013.01)

Cited by  
CN109944043A; GB2429269A; GB2429269B; US7263787B2; USRE41621E; USRE42967E; EP0854223B1

Designated contracting state (EPC)  
DE FR GB IT

DOCDB simple family (publication)  
**EP 0103418 A2 19840321; EP 0103418 A3 19840919**; ES 525149 A0 19850201; ES 8502905 A1 19850201; GB 2127135 A 19840404;  
GB 2127135 B 19851204

DOCDB simple family (application)  
**EP 83304704 A 19830815**; ES 525149 A 19830825; GB 8226309 A 19820915