



HOSE PUMP AND USE OF A TRANSPORT HOSE WITH SAFETY CHANNEL

ABSTRACT

The invention relates to the use of a hose having an internal channel as a safety device, as well as to a hose pump featuring such a hose. The entrance of conveyed product into the channel is used as an indicator for wearing out of the hose.

NO.	GERMAN TERM	ENGLISH TERM
1	Förderschlauch	conveying hose
2	Gehäuse	housing
3	Quetschkörper	squeezing member
4	Rotor	rotor
5	Achse	axis
6	Seitendeckel; Wangen	side covers/sidewalls
7	Stützbahn	supporting track or rail
10	Äussere Decke	outer cover
11	Gewebeverstärkung	textile reinforcement
12	Seele	liner
13	Durchgangskanal	through-passing channel
FIG. 2		
14	Kanal	channel (adjacent reinforcement)
FIG. 3		
20	Schlauch	hose
21	Decke	cover
22	Gewebeverstärkung	textile reinforcement
23	Seele	liner
24	innere Oberfläche	inner surface
25	Kanal	channel
26	Sensorleitung	sensor lead
27	Drucksensor	pressure sensor
	Fördergut	conveyed product
	Saugstutzen	intake or source union
	Druckstutzen	outlet or pressure union

Undichtigkeit

seal failure/leakage/porosity

and corresponding U.S.P. 5,049,048

(Figure 1)

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