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**Process and system for the indirect identification of wear of a
sliding energy chain**

ABSTRACT

10 The invention relates to a system (10) for indirect wear
identification on an energy chain (12). The system (10) comprises
a sensor arrangement (28) preferably arranged stationary and an
evaluation device (30), which is signal-connected to the sensor
arrangement (28). The sensor arrangement (28) is arranged and is
15 set up to generate, depending on at least one feature of the chain
links (26) which occurs or is detectable repeating periodically,
in particular corresponding to the chain pitch of the energy chain
(12), during movement of the energy chain relative to the sensor
arrangement, corresponding output signals, which the evaluation
20 device (30) evaluates.

(FIG. 2)