

Title (en)
SYNCHRONIZING DEVICE

Title (de)
SYNCHRONISIERVORRICHTUNG

Title (fr)
DISPOSITIF DE SYNCHRONISATION

Publication
EP 0689730 A1 19960103 (DE)

Application
EP 94914257 A 19940317

Priority
• AT 9400028 W 19940317
• AT 55093 A 19930319

Abstract (en)
[origin: WO9422200A2] The invention concerns a synchronizing device for parallel connection of a synchronous generator and an a.c. network with separate test connections for the voltage and the frequency of the generator and of the a.c. network, with control outputs for regulating the rotational speed of the generator drive. According to the invention, the preset feedback value for the generator frequency includes a defined slip at the start of balancing. Once the phase angle between supply voltage and generator voltage has gone below an appropriate value, null balance is applied to frequency. The advantage of the invention is that turbine regulation is seldom used, thus increasing the service life of the entire generator set.

IPC 1-7
H02J 3/42

IPC 8 full level
H02J 3/42 (2006.01)

CPC (source: EP US)
H02J 3/42 (2013.01 - EP US)

Citation (search report)
See references of WO 9422200A2

Designated contracting state (EPC)
AT CH DE ES LI

DOCDB simple family (publication)
WO 9422200 A2 19940929; WO 9422200 A3 19941124; AT 399966 B 19950825; AT A55093 A 19941215; CN 1042477 C 19990310; CN 1119479 A 19960327; EP 0689730 A1 19960103; FI 954393 A0 19950918; FI 954393 A 19950918; NO 315676 B1 20031006; NO 953676 D0 19950918; NO 953676 L 19950918; US 5642006 A 19970624

DOCDB simple family (application)
AT 9400028 W 19940317; AT 55093 A 19930319; CN 94191528 A 19940317; EP 94914257 A 19940317; FI 954393 A 19950918; NO 953676 A 19950918; US 51386395 A 19950913