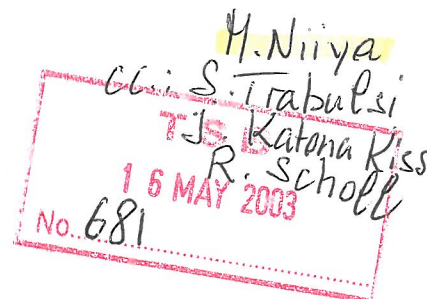


Patent Statement and Licensing Declaration

(Typically one per ITU-T Recommendation)

This declaration does not represent an implied license grant



Please return to: Director
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Patent Holder/Organization:

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ITU-T Recommendation:

Number P.862

Title Perceptual evaluation of speech quality (PESQ), an objective method for end-to-end speech quality assessment of narrowband telephone networks and speech codecs.

Licensing declaration

The Patent Holder believes to hold granted patents and/or pending applications, whose use would be required to implement the above ITU-T Recommendation and hereby declares, in accordance with the Statement on ITU-T Patent Policy (see ITU-T web site), that (check one box only).

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 - a description of the patent claims covering the Recommendation;

Signature

Organization Koninklijke KPN NV

Name of authorized person K.M. Wuyts

Title of authorized person Manager Intellectual Property Group

Signature [Signature]

Place, Date The Hague, May 8, 2003

Patent Information (desired but not required)			
No.	Registration Number/ Country	Title/ Inventor	Status [granted/ pending]
1	2,215,358/Canada	Signal quality determining device and method / J.G. Beerends	Granted
2	96193737.8/China	Signal quality determining device and method / J.G. Beerends	Pending
3	0815707/Austria	Signal quality determining device and method / J.G. Beerends	Granted
4	0815707/Belgium	Signal quality determining device and method / J.G. Beerends	Granted
5	0815707/Switzerland and Lie	Signal quality determining device and method / J.G. Beerends	Granted
6	0815707/Germany	Signal quality determining device and method / J.G. Beerends	Granted
7	0815707/Denmark	Signal quality determining device and method / J.G. Beerends	Granted
8	0815707/Spain	Signal quality determining device and method / J.G. Beerends	Granted
9	0815707/Finland	Signal quality determining device and method / J.G. Beerends	Granted
10	0815707/France	Signal quality determining device and method / J.G. Beerends	Granted
11	0815707/United Kingdom	Signal quality determining device and method / J.G. Beerends	Granted
12	0815707/Greece	Signal quality determining device and method / J.G. Beerends	Granted
13	0815707/Ireland	Signal quality determining device and method / J.G. Beerends	Granted
14	0815707/Italy	Signal quality determining device and method / J.G. Beerends	Granted
15	0815707/Luxembourg	Signal quality determining device and method / J.G. Beerends	Granted
16	0815707/The Netherlands	Signal quality determining device and method / J.G. Beerends	Granted
17	0815707/Monaco	Signal quality determining device and method / J.G. Beerends	Granted
18	0815707/Portugal	Signal quality determining device and method / J.G. Beerends	Granted
19	0815707Sweden	Signal quality determining device and method / J.G. Beerends	Granted
20	527284/1996 Japan	Signal quality determining device and method / J.G. Beerends	Pending
21	6,064,946/USA	Signal quality determining device and method / J.G. Beerends	Granted
22	98110499.8/Hong Kong	Signal quality determining device and method / J.G. Beerends	Pending
23	2,215,366/Canada	Signal quality determining device and method / J.G. Beerends	Granted
24	96193745.9/China	Signal quality determining device and method / J.G. Beerends	Pending
25	0815705/Austria	Signal quality determining device and method / J.G. Beerends	Granted

Patent Information (desired but not required)			
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26	0815705/Belgium	Signal quality determining device and method / J.G. Beerends	Granted
27	0815705/Switzerland and Liec	Signal quality determining device and method / J.G. Beerends	Granted
28	0815705/Germany	Signal quality determining device and method / J.G. Beerends	Granted
29	0815705/Denmark	Signal quality determining device and method / J.G. Beerends	Granted
30	0815705/Spain	Signal quality determining device and method / J.G. Beerends	Granted
31	0815705/Finland	Signal quality determining device and method / J.G. Beerends	Granted
32	0815705/France	Signal quality determining device and method / J.G. Beerends	Granted
33	0815705/United Kingdom	Signal quality determining device and method / J.G. Beerends	Granted
34	0815705/Greece	Signal quality determining device and method / J.G. Beerends	Granted
35	0815705/Ireland	Signal quality determining device and method / J.G. Beerends	Granted
36	0815705/Italy	Signal quality determining device and method / J.G. Beerends	Granted
37	0815705/Luxembourg	Signal quality determining device and method / J.G. Beerends	Granted
38	0815705/The Netherlands	Signal quality determining device and method / J.G. Beerends	Granted
39	0815705/Portugal	Signal quality determining device and method / J.G. Beerends	Granted
40	0815705/Sweden	Signal quality determining device and method / J.G. Beerends	Granted
41	98110489.9/Hong Kong	Signal quality determining device and method / J.G. Beerends	Pending
42	527291/1996/Japan	Signal quality determining device and method / J.G. Beerends	Pending
43	6,041,294/USA	Signal quality determining device and method / J.G. Beerends	Granted
44	99204089.9/EP	Determination of the time relation between speech signals affected by time wrapping / J.G. Beerends & A.P. Hekstra	Pending
45	00972888.2/EP	Determination of the time relation between speech signals affected by time wrapping / J.G. Beerends & A.P. Hekstra	Pending
46	10/130,594/USA	Determination of the time relation between speech signals affected by time wrapping / J.G. Beerends & A.P. Hekstra	Pending
47	2,396,455/CA	Method and device for determining the quality of a signal / A.P. Hekstra & J.G. Beerends	Pending
48	00983281.7/EP	Method and device for determining the quality of a signal / A.P. Hekstra & J.G. Beerends	Pending
49	2001-551876/JP	Method and device for determining the quality of a signal / A.P. Hekstra & J.G. Beerends	Pending
50	1014075/The Netherlands	Method and device for determining the quality of a signal / A.P. Hekstra & J.G. Beerends	Granted

Patent Information (desired but not required)			
No.	Registration Number/ Country	Title/ Inventor	Status [granted/ pending]
51	10/130,593/USA	Method and device for determining the quality of a signal / A.P. Hekstra &	Pending