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(71) Applicant (for all designated States except US): **TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)**
[SE/SE]; S-164 83 Stockholm (SE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **VIKBERG, Jari**
[FI/SE]; Svålsättersvägen 12, S-153 38 Järna (SE). **NYLANDER, Tomas** [SE/SE]; Starrmossevägen 40, S-139

35 Värmdö (SE). **NISKA, Håkan** [SE/SE]; Kompanigatan 12, S-587 58 Linköping (SE). **BORNEFALL, Tomas** [SE/SE]; Leopolds gata 29, S-584 37 Linköping (SE).

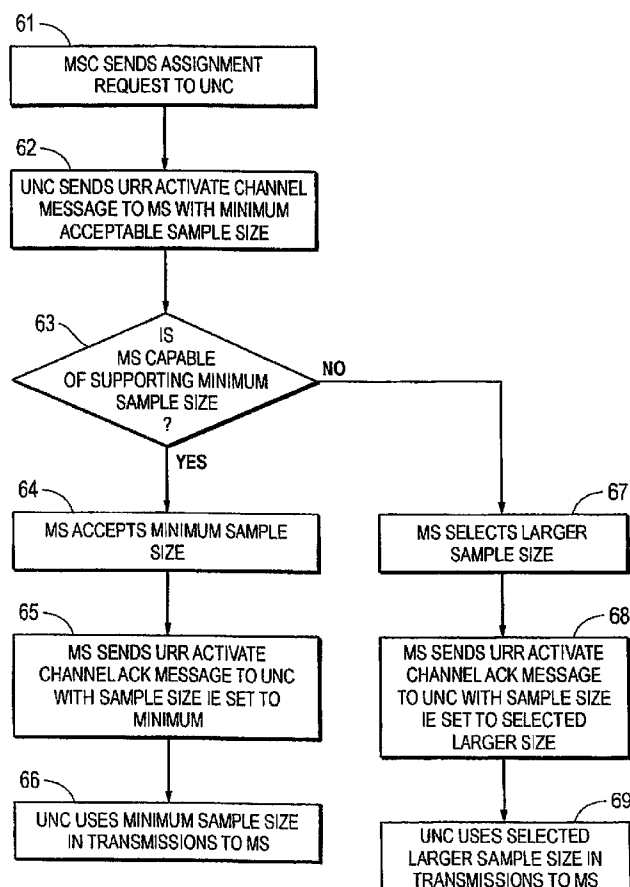
(74) Agent: **SJÖBERG, Mats**; Ericsson AB, Patent Unit Core Networks/ Älvsjö, Box 1505, S-125 25 Älvsjö (SE).

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(54) Title: METHOD AND SYSTEM FOR FRAME SIZE ADAPTATION IN REAL-TIME TRANSPORT PROTOCOL



(57) Abstract: A system and method for adapting circuit-switched payload transport between a mobile station, MS, (30) and an unlicensed-radio access network utilizing the Real-Time Transport Protocol, RTP. The MS (30) and an access network controller (103) negotiate the number of speech/data frames per RTP packet during the assignment of a traffic channel. The network controller notifies (62) the MS of a requested or minimum acceptable sample size, and the MS utilizes that sample size, if able, to send (86) RTP packets to the network controller. If the MS is not capable of utilizing that sample size, the MS utilizes the closest sample size that the MS can support to send (89) packets to the network controller. The network controller then calculates (90) the sample size utilized by the MS and utilizes (91) the calculated sample size in transmissions to the MS. Thereafter, if network conditions change, another negotiation is initiated (94-97) to adapt the sample size to the changed conditions.



RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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